

THE CHEMIST AND DRUGGIST

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LONDON, E.C. 4.

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"CHEMUS, CANNON, LONDON."
[Charged as two words only.]

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AUSTRALASIA, 1885

No. 2,018. Vol. XC.

SEPTEMBER 28, 1918.

Subscription Rate, 12s. 6d. per annum
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Issues, 1s. each. Post Free.

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Nerve Food
Rich in Phosphorus

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Trade **Bynogen** Mark
BRINGS HEALTH



A Concentrated
Nutrient
and Restorative

Advantages of "Bynogen."

"Bynogen" possesses a most attractive flavour and thereby overcomes the objection hitherto experienced in other somewhat similar products.

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"ROSETTOL" First in the Field, still holds first place amongst the synthetic Rose products.

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A Substitute for Oil of Orange Flowers... 7/6 per oz.

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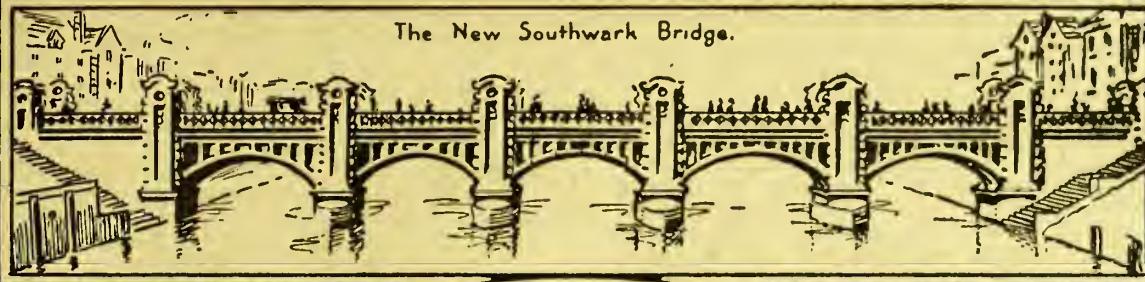
WERE AWARDED

GRAND PRIX, Turin International Exhibition, 1911.
GOLD MEDAL, Brussels International Exhibition, 1910.

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| Benzamine Hydrochlor | Guaiacol Carbonate | Paraldehyde | Salol |
| Benzo Naphthol | Heliotropin | Peppermint Oil | Sugar of Milk |
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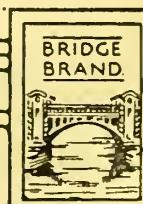
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| HALF STRENGTH (½ gr. 330 in 1) | FULL STRENGTH (½ gr. 330 in 1) |
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Splendid for Cooking, and for Sweetening Tea, Coffee and Cocoa. Many Chemists are selling £10 to £20 worth weekly. Why not you? It can be recommended with confidence.

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Is a Highly Concentrated Substitute for Sugar.

TRY IT. YOU WILL BE DELIGHTED.

Good for Cakes Puddings, SWEETEN-IT Ice-Cream, Pastry, Jam, etc.

SELLS LIKE HOT CAKES.

Packed in Envelopes.

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½ gr. 330 in 1. Guaranteed the Genuine Article.

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1 grain 330 in each tablet.
14/- per 1,000; 13/6 per 1,000 for 20,000; 12/9 per 1,000 for 100,000. Reduction for larger quantities. Cash with order. Carriage paid.

SACCHARIN TABLETS

Full Strength, ½ gr. 330 in 1.

Per lb., 140/- 5000 @ 20/9 10,000 @ 20/-

½ gr. 330 in 1. 8000 to each lb.

8000 @ 15/- 30,000 @ 14/6 50,000 @ 14/- 100,000 @ 13/6

The above are made with Monsanto Saccharin and Howards'Soda, and highly appreciated.

Cash with Order. Carriage Paid.

R. GIBBINS & CO. Wholesale Tablet Manufacturers,
1 Birkbeck Road, Kingsland, London, E. 8.

The Best and Cheapest Uncontrolled

SACCHARIN TABLETS

on the Market

(Made from the best Monsanto American powder).

| ½ grain in one. | ½ grain in one. |
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| 10,000 @ 16/- per 1000 | 10,000 @ 18/6 per 1000 |
| 25,000 " 15/10 " | 25,000 " 18/4 " |
| 50,000 " 15/8 " | 100,000 " 18/2 " |
| 500,000 " 15/6 " | 500,000 " 18/- |

Packed in boxes of 1000
16/2 per 1000.

Packed in boxes of 1000
18/8 per 1000.

Cash with order. Carriage Paid. Prompt delivery.

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6 St. George's Terrace, Regent's Park, London,
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"PHRYNETTE"
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SOLIDIFIED TOILET GLYCERINE

(SUBSTITUTE).

Neither sticky or greasy.

Attractively packed for counter display.

Clean and economical in use.

Imparts a silk-like softness to the skin.

Preserves the complexion.

Keeps the hands smooth and supple in all weathers.

Issued in push-up tins, decoratively labelled turquoise blue and gold.

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Six-dozen sample parcel carriage paid.

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LONDON, 1881. VIENNA, 1883. CALCUTTA, 1884.
CHICAGO, 1893.

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"ZINYL" Brand (Regd.)

TRUE SYNTHETIC PRODUCTS

| | Price. |
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| BERGAMOTTE. A substitute for Natural Bergamotte Oil | 17/6 lb. |
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| SYRINGA. Also a new product | 10/- oz. |
| VIOLET. A universal favourite in general demand | 10/6 oz. |
| VIOLET DE PARME. A variation of the preceding Otto | 15/- oz. |
| WALLFLOWER. Recalls this beautiful old-fashioned flower. | 10/6 oz. |

H. E. STEVENSON & CO.

122 GREAT SUFFOLK STREET, LONDON, S.E. 1.

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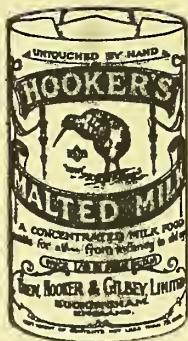
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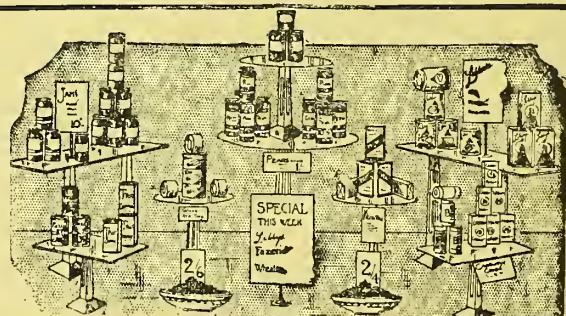
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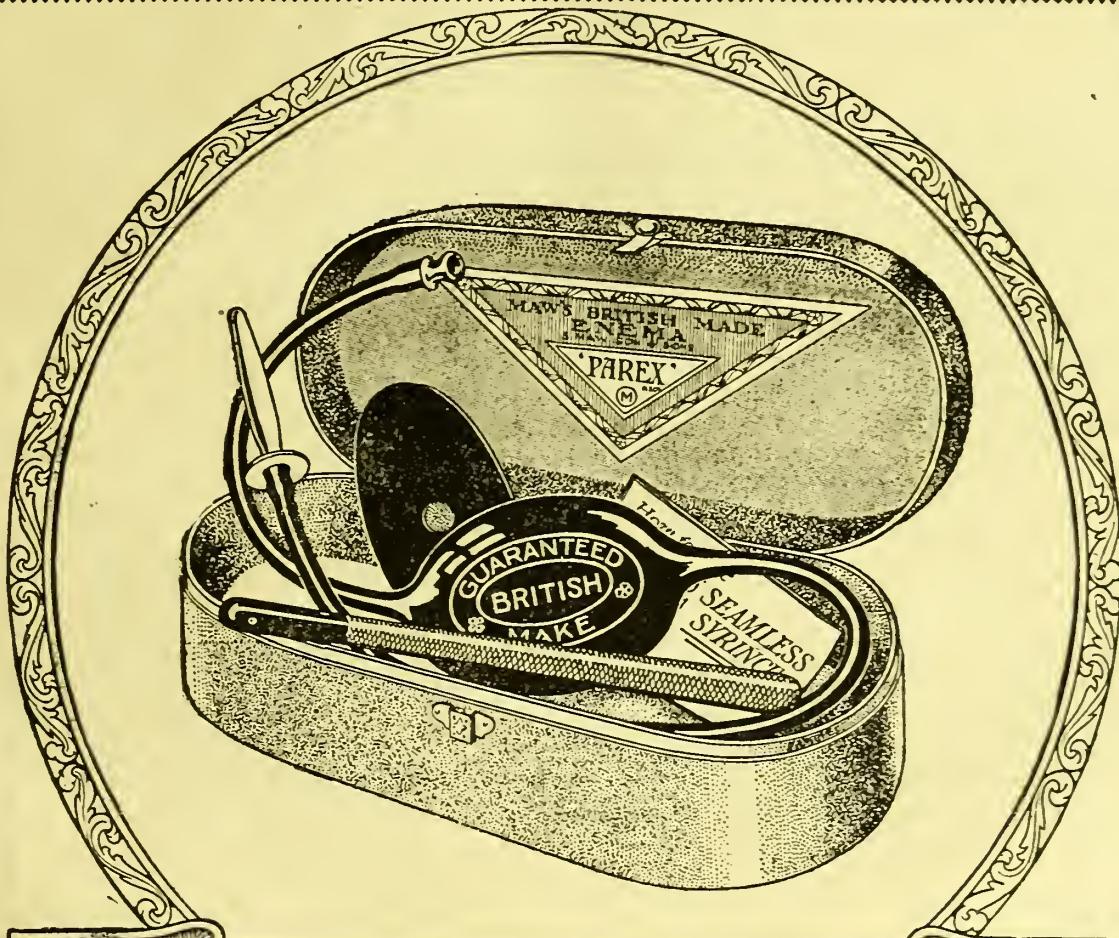


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SEPT. 28, 1918



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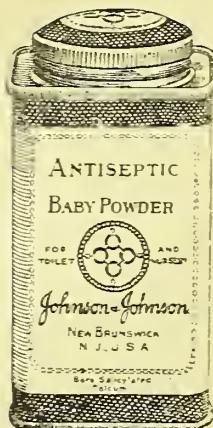
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Ayrton's Tea Tablets make tea with a glorious flavour !

For the Trenches,
the Office,
the Workshop
and the Home.

Why not make a display ?

Show matter on request.

P.A.T.A. retail - $10\frac{1}{2}$ d per tin (face value)

" wholesale 8/3 per doz. 96/- per gross

WE PAY CARRIAGE ON SIX DOZEN AND UPWARDS.

AYRTON, SAUNDERS & CO. LTD

Wholesale Druggists

LIVERPOOL

The new business bringer to the Chemist

Those Chemists who stock MILTON are already reaping the benefit of our Extensive Advertising. People are asking for MILTON, going into the shops that display MILTON to make purchases. MILTON is rapidly becoming one of the "popular" lines, one of those that are asked for over and over again. It has so many practical uses every day in every home that its general use is quickly developing.

A big demand is being created. Will you help to supply it, and so reap the benefit?

Trade terms from your Wholesaler or from the Manufacturers:
MILTON MANUFACTURING CO. LTD.

Head Office and Works:

John Milton House, 125 BUNHILL ROW, LONDON, E.C. 1.

Telephone: Central 1649. Telegrams: "Ocnolim Finsquare."

Telephone: Central 5570 & 5571. also at 64 Wellington Street, Glasgow. Telegrams: "Ocnolim Glasgow."

See our Advertisements
in Daily Mail, John Bull,
Punch, British Weekly,
Passing Show, Daily Dispatch,
People's Friend, Glasgow
Advertiser, Daily Chronicle,
Sketch, Home Notes, Nursing
Mirror, Coming Fashions,
Sunday at Home, etc. In
every leading publication
you will find MILTON.



KAY BROTHERS, Ltd.

Manufacturing Chemists, STOCKPORT

Nat. Tel.: 247 STOCKPORT. Telegrams: "KAY STOCKPORT."
CONTRACTORS TO H.M. GOVERNMENT.

BIRDLIMES and **FLY GUMS** for all climates.

FLYPAPERS, } "Big Bat" & "Falcon" Brands.
Non-Poisonous.

FLYCATCHERS, Spiral Wire, "Vampire."
TAPES & BANDS. Tape, "Flyzac."
,, "Gorgon."

Roll Band, "Viper," }
(2 in. and 4 in. wide.) }

CEMENTS "COAGULINE." Transparent
FOR MOST Cement for broken articles, 6d. bots.
PURPOSES. "TENASITINE." A Liquid
Cement in Tubes, 2d., 3d. & 6d.
"KLINX." Hydraulic Cement
(heatproof), 6d. tins.
"CUE CEMENT." 6d. & 1/-

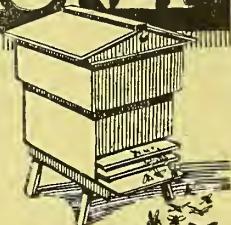
"ORBITE." A non-running, sticky composition
for Banding Fruit Trees.

"PULVICIDE" (Patented). A Dust-laying Com-
pound. Agents wanted for its introduction to
Municipalities.

"LINSEED COMPOUND." On P.A.T.A. List.
A Cough Mixture of over 50 years' proven excellence.

SPRING'S TABLE HONEY

"Heather,"
"White Clover,"
&c.



Specially refined and
packed for table use.

SPRING & CO., LTD.
BRIGG LINCOLNSHIRE.

The largest collectors and
packers in Great
Britain.



STOVAINE

THE LEAST TOXIC OF LOCAL ANÆSTHETICS
USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE

Does not create a habit and does not give rise to headaches, nausea, vertigo or syncope. :: :: *Literature on demand.*

NO HOME OFFICE LICENSE REQUIRED

Cheaper than Novocain and Benzocain and obtainable promptly in practically unlimited quantities from the manufacturers:

LES ETABLISSEMENTS POULENC FRÈRES
— 92, RUE VIEILLE DU TEMPLE, PARIS. —

BISHOP'S PIPERAZINE CITRATE

A REMEDY OF ESTABLISHED AND DEFINITE VALUE

IN GOUT, LUMBAGO, SCIATICA, NEURITIS, GRAVEL, STONE,
AND ALL MANIFESTATIONS OF THE URIC ACID DIATHESIS.

Prescribed by the British Medical Profession for 20 years.

The undoubtedly superiority of Bishop's Piperazine Citrate, and preparations containing it, is due to the stability of the salt, Piperazine Citrate, which, being non-volatile and non-hygroscopic, undergoes no change upon exposure to heat or moisture, and thus lends itself to all manufacturing and dispensing processes.

Piperazine base, on the contrary, is so volatile and hygroscopic that it cannot be manufactured or dispensed with any degree of accuracy. Hence the unreliability of all Piperazine preparations that are not made with Bishop's Piperazine Citrate.

**PIPERAZINE CITRATE
IS MADE ONLY BY
ALFRED BISHOP, LTD.**

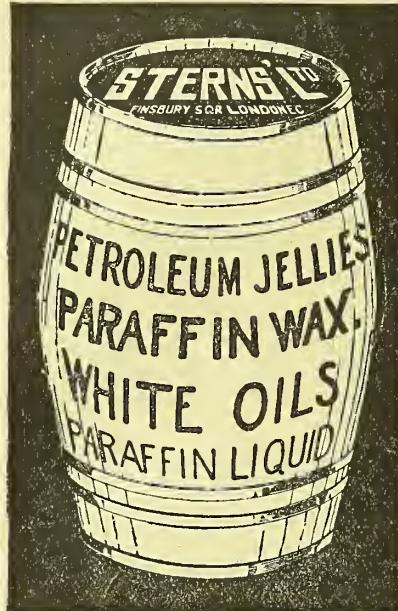
Bishop's Piperazine Citrate is the most powerful uric acid solvent known. It neutralises twelve times as much uric acid as any other alkaline solvent, and the resulting Piperazine urate is eight times as soluble as any other urate.

Bishop's Piperazine Citrate is non-irritant and non-toxic. It does not derange the digestive functions and is easily borne by even sensitive stomachs.

Bishop's Piperazine Citrate is supplied in crystalline powder for dispensing, and also in the Granular Effervescent form and Varalettes. The value and reliability of these preparations have been established by abundant clinical experience.

Prices and Particulars on application to—

ALFRED BISHOP, LTD. MANUFACTURING CHEMISTS,
48 SPELMAN STREET, LONDON, E.1.



STERNS LIMITED

A.D.5., Royal London House, Finsbury Sq., E.C. 2.

Telephone: 3797 LONDON WALL. Telegrams: CENTUMVIR, PHONE, LONDON. (Four Lines.) (Two Words only.)

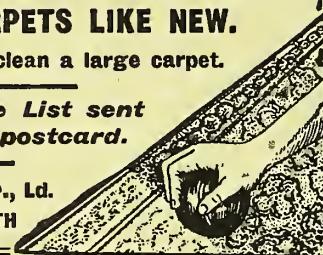
CHIVERS' CARPET SOAP

CLEANS CARPETS LIKE NEW.

One Tablet will clean a large carpet.

Wholesale Price List sent on receipt of a postcard.

F. CHIVERS & CO., Ltd.
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"ONGARD" SAFETY PINS

(GUARANTEED RUST PROOF)

ARE THE BEST FOR
SURGICAL AND NURSERY PURPOSES.



SOLE MANUFACTURERS
GEORGE GOODMAN LTD.,
BIRMINGHAM.

KO-TAL-KO

IS ASKED FOR EVERY DAY
BY YOUR CUSTOMERS

Stock "KO-TAL-KO" because

You cannot offer or sell a more effective hair restorer and maintainer—one more natural in its principles and certain in its effects.

Your regular customers will want it from you, and if they do not obtain it at your store will be tempted to go elsewhere.

You will never have your stock of "KO-TAL-KO" tying up your capital uselessly—on the other hand, your repeat orders quickly follow.

My trade terms will suit you, for they allow you to make your proper and deserved profit, and you are working on sound business all the time.

NOTE TRADE TERMS (P.A.T.A.)—

| | | | | |
|----------|-----|-----|-----|----------------|
| 5/- Size | ... | ... | ... | 48/- per dozen |
| 12/6 " | ... | ... | ... | 112/6 " |

J. HART BRITTAINE, Ltd.

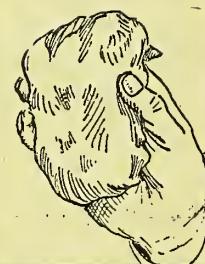
(Dept. C.D. 1),
2 PERCY ST., LONDON, W.1

KO-TAL-KO

A DAMP DUSTER
is all that is needed to
restore the pristine
beauty & polish of any
SEMREH

BOTTLE CAP
that have become soiled.
SEMREH Caps give
no trouble in fitting—
or afterwards.

THE VISCOS E
Development Co., Ltd.,
BROMLEY, KENT.
Prompt dispatch can at
present be given.



CHEMISTS' SHOPFITTINGS

WANTED.—Every Chemist requiring Shopfittings to send for my estimate; you can't do better. I shall be pleased to send you rough sketches free on receipt of particulars. Over 30 years' experience.

Glass Showcases, Drugfittings, Dispensing Screens, Window Enclosures, Glass Shelves, Wall Cases, Perfume Cases, Plate Glass Front Counters, Drawers, &c., at lowest prices.

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GEORGE COOK,
The Chemists' Working Shopfitter,
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ALLEN'S
ALMOND
OIL
(Sweet)
IS
PURE

complies with the requirements
of all the Pharmacopœias.

MANUFACTURED BY

STAFFORD ALLEN & SONS
LIMITED,
COWPER STREET, FINSBURY,
LONDON, E.C. 2.

ESSENTIAL OIL DISTILLERS, DRUG AND SPICE MILLERS,
MAKERS OF PHARMACEUTICAL PREPARATIONS,
MANUFACTURING CHEMISTS.

Telephone:
LONDON WALL 6556 (3 lines).

ESTABLISHED
1833.

Telegrams:
"PERSIC, FINNSQUARE, LONDON."

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BRITISH WAX REFINING
COMPANY, LIMITED.

WHITE BEESWAX
YELLOW BEESWAX

Slabs, Bars, Tablets or Discs

CERESINE WAX
Bleached Carnauba Wax
Carnauba Wax Residues

All Waxes Refined, Bleached and Manufactured at our Works, REDHILL, SURREY.

• Registered Office:
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EUCALYPTUS OIL
(RECTIFIED).

Eucalyptol Content 70/80 %
Optical Rotation 0 to 1
Specific Gravity '919 to '928
Absolutely Free from Phellandrene.

Quotations by cable. Wholesale Trade only.

BURNSIDE & COMPANY
Eucalyptus Oil Distillers,
VICTORIA, AUSTRALIA.
New Postal Address—
439 Flinders Lane, Melbourne.
Cables—"Burnside Company,"
Melbourne."

PURE ESSENTIAL
OIL OF HOP.

PRICE AND INFORMATION
FROM THE DISTILLERS:

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Head Office:
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and at LIVERPOOL, BELFAST, BOSTON.

LANOLINE

"EMPIRE BRAND."

ADEPS LANÆ P.B. **ADEPS LANÆ HYDROS. P.B.**

Prepared by Qualified Chemists.

NOTHING FINER ON THE MARKET.

The British Lanoline Co.,
LEICESTER.

Sole Proprietors:
HOWARD LLOYD & CO., Ltd.,
Manufacturing Chemists,

METHYLATED SPIRIT
OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.
Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, LTD., BIRMINGHAM

BAISSL BROTHERS & COMPANY, Ltd.



SCAMMONY RESIN

Lump or Powder.

In wholesale quantities.

MEDICINAL EXTRACTS

of all kinds, solid and liquid.

Belladonna, Henbane, etc. etc.

PRICES AND SAMPLES ON APPLICATION.

BAISSL BROTHERS & COMPANY, Ltd.

Wholesale and Export Druggists, Manufacturing Chemists and Makers of Surgical Instruments,

*Contractors to His Majesty's Government; the Crown Agents for the Colonies; various
Foreign Governments; and the principal Hospitals and Institutions at Home and Abroad.*

Grange Works, 174, 175, 176 GRANGE ROAD, BERMONDSEY, LONDON, S.E.1

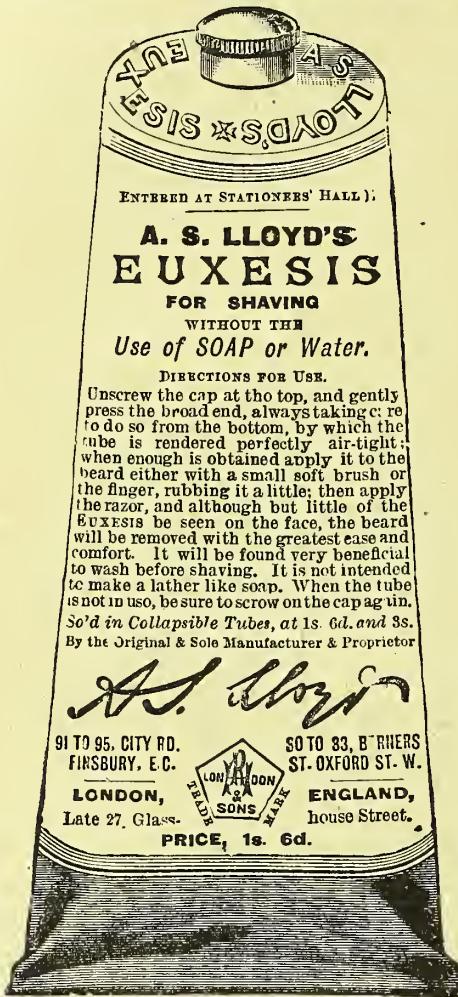
Drug & Herb Farm: CARSHALTON, SURREY.

Established 1833.

A. S. LLOYD'S EUXESIS

(THE GENUINE.)

For Shaving without Soap, Water or Brush.



Sold by all Perfumers and Chemists throughout the World.

R. HOVENDEN & SONS having purchased, under an administration suit, the Business of the late A. S. LLOYD, with the Receipt, Trade-mark, and Goodwill of the celebrated EUXESIS, the Trade are cautioned that the original and genuine EUXESIS is now manufactured at our Factory ONLY, and may be obtained at either of our Warehouses at the following prices :

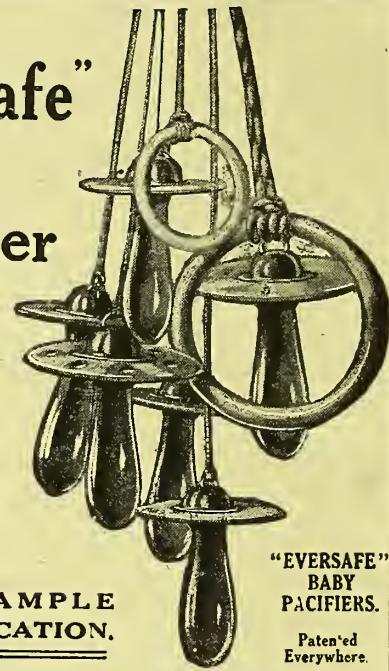
10/6 per dozen; 10/3 by the 6 dozen.
Retails at 1/6 per tube; 3/- size to order.

NOTICE.—THE GENUINE A. S. LLOYD'S EUXESIS bears a label printed in BLACK only on a Yellow ground, with our Trade Mark at the bottom, as illustration.

Proprietors: R. HOVENDEN & SONS, LTD.,
LONDON : 29-33 BERNERS STREET, W. ; and 89-95 CITY ROAD, E.C.

The "Eversafe" Baby Pacifier

Our Manufacturing facilities being considerably increased we have the pleasure of inviting orders for prompt delivery.



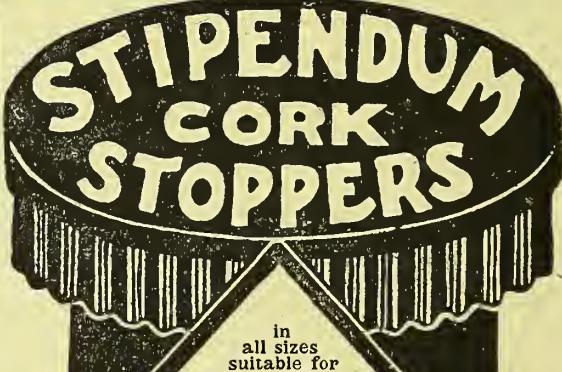
FREE SAMPLE
ON APPLICATION.

"EVERSAFE"
BABY
PACIFIERS.

Patented
Everywhere.

Trial Orders, minimum value 12/6,
Cash with Order, Carriage Paid, U.K.

F. SCHUTZE & CO., LTD.
BLACK BULL WORKS - LONDON, N.



in
all sizes
suitable for
KALIS, CITRATES,
DISPENSING, and all
FLUIDS.

STIPENDUM COVERED POTS

THE BEST FOR FACE AND TOOTH POWDERS
PASTES, AND OINTMENTS.

GREASE PROOF.

For Samples & particulars apply to

The
Stipendum Stopper Co.
1 Newman Street,
LONDON, W.
Tel. No. 3769
GERBARD.

A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on GENUINE EUXESIS bear two signatures—

A. S. Lloyd in Black Ink, and that of his Widow,
Aimée Lloyd, in RED. Refuse any other.

*Sole Manufacturers and
 Proprietors:*

AIMÉE LLOYD & CO.
23 PANTON STREET (formerly named Spur Street),
HAYMARKET, LONDON, S.W.

N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).

TOOGOOD'S TOILET CREAMS



Creme Altesia

A non-greasy Face Cream. Packed in 1-oz. Screw-capped Jars, each in Carton.
 7/- per doz.



Altesia Skin Food

A greasy Skin Cream. Packed in 1½-oz. Flat Screw-capped Jars. 7/- per doz.

Manufactured only by

William Toogood, Ltd., 77 Southwark Street, London, S.E.1.

GIBBS'S DENTIFRICE

THE FAVOURITE.

OWING to the great difficulty in procuring the metal cases for packing our Dentifrice, we are somewhat behind in the execution of the many orders received from our customers.

In the circumstances we ask their kind indulgence, and assure them that everything possible is being done to ensure delivery.

D. & W. GIBBS, Ltd., *City Soap Works, London, E.1*

ESTABLISHED 1712.

**Do You Sell
Sister Lauras Food ?**



Price 1/- & 2/6 per tin.

The question is often asked nowadays
The Chemist who does not stock Sister
Lauras Food is missing a good line.

Sister Lauras Food is achieving great
success as a preparation for weakly
babes and for invalids and the aged.

It makes milk digestible and is invaluable
in cases of malnutrition.

It is a thoroughly reliable line and one
that brings a handsome return.

Samples and advertising matter free on application

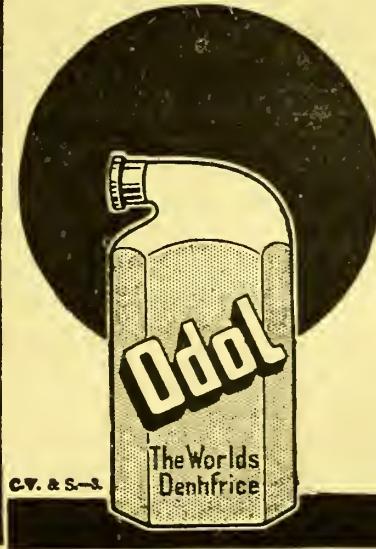
SISTER LAURAS INFANT FOOD CO., Ltd., 156 Vincent Street, GLASGOW.

DISPENSING BOTTLES & PHIALS.

| | | |
|--|---------------------|--|
| CLEAR BLUE TINTED. | plain or graduated. | Lowest Market Prices Charged. |
| 3 and 4 ounces. | 6 and 8 ounce. | |
| WHITE PHIALS. | plain or teaspoons. | |
| 1/2 ounce. | 1/3 ounce. | |
| 1 - | 2 - | |
| BLUE LOTION BOTTLES. | all sizes. | |
| CORKS. | Superior Quality. | No advance in price. |
| 6 and 8 ounce | | 1s. per gross, in 6 gross bags. |
| Vials | | 10d. per gross, in 3 gross bags. |
| Delivered free within 7 miles, and to certain stations. Particulars on application. | | |

I. ISAACS & CO., Glass Bottle Manufacturers,
106 Midland Road, St. Pancras, London, N.W. 1,
or ISLINGTON BOTTLE COMPANY,
1 New Inn Yard, Tottenham Court Road, London, W. 1.
Orders sent to either establishment have attention.
Established 100 Years.
Bankers: London County and Westminster Bank, Bloomsbury Branch.

BRITISH NOW



Send for
Price List and
Trading Terms.

ODOL
Chemical Works,
BERKHAMSTED.

"FLAMMOGENE"

THE
Methylated Spirit Substitute

EFFICIENTLY REPLACES S.V.M. FOR ALL GENERAL HOUSEHOLD USES.
SOLD FREE OF LICENCE OR PERMIT. PRICES ON APPLICATION.

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MICHAELMAS TERM commences SEPTEMBER 30.

CLASSES and Laboratory Work in Chemistry. Special preparation for the Examinations of the Pharmaceutical Society. Courses on Commercial Products—Metals, Oils, Textiles.

Full particulars gratis on application to

DAVID SAVAGE, Secretary.

ALL CHEMISTS SHOULD STOCK **ABDINE**

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 Years' Reputation.
"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 1½d. each; Boxes of 12 packets, 1/6.
Wholesale Prices on application. Sample Box 1/6.
D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

GUMS

IMPORTERS—FIRST-HANDS]
ALBERT J. TAYLOR & Co.

30 Great Tower Street, London, E.C. 3. Established 1884.
Phone—Central 207. Telegrams—"Albert Taylor, Bilgate, London."
Cables—"Tazadoras London." Code: A B C (5th edition.)

"LESCOL" FLORAL PERFUMES

NOTICE

ON account of shortage of spirit and raw materials, Christmas Perfumes will be very scarce this year; but as we are holding a very fair stock at remunerative prices to our customers, we strongly advise them to send us their requirements at an early date, in order to avoid disappointment. On receipt of postcard, if possible, one of our representatives will call with samples when next in your vicinity, or we will forward you a complete price list.

We also hold good stocks of ESSENTIAL OILS at lowest market prices, & FLORAL OTTOS, FRUIT ESSENCES, CHEMICALS, &c.

LESCOL PERFUMERY CO.

Lomond Grove, Camberwell Green,
LONDON, S.E. 5.

Telephone: 810 HOP. (Proprietors: The London Essence Co.) Telegrams: "VANILLIN, CAMBER, LONDON."

INCREASING POPULARITY OF "HARLENE HAIR DRILL."

EVERY DAY EMPHASISES THE NECESSITY
FOR MEETING THE PUBLIC DEMAND.

The widespread publicity initiated by the Proprietors of "Harlene" over a number of years and vigorously maintained right up to the present time, in spite of many difficulties and increasing expense, continues to draw an immense response from all parts of the country. Thousands of sample parcels are dispatched daily, thus increasing the number of possible customers to retail stores everywhere.

HAVE YOU A GOOD STOCK OF "HARLENE HAIR DRILL" PREPARATIONS?

NOTE.

The Contents of the
Free HARLENE OUTFITS
comprise :

1. A Trial Bottle of Harlene.
2. A "Cremex" Shampoo Powder.
3. Trial Bottle of "Uzon" Brilliantine.
4. Book of Instructions.



**FOLLOW THE
TIDE OF
SUCCESS.**

**Watch the great
Free Gift
Advertising
Campaign
that brings the
Customers to
your shop.**

No Chemist or Store can afford to be without this unique line of Toilet Preparations.

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|---------------------------|--------------------------|
| "HARLENE" FOR THE HAIR | "ASTOL" FOR GREY HAIR |
| "UZON" BRILLIANTINE | "CREMEX" SHAMPOO POWDERS |
| "ASTINE" VANISHING CREAM | "ASTINE" SHAVING STICK |
| "ASTINOL" AROMATIC FLUID. | |

For Particulars, Advertising Literature, &c., write to

EDWARDS' HARLENE, L_{td}.

20, 22, 24 and 26 LAMB'S CONDUIT STREET, LONDON, W.C. 1.



Collapsible Tubes Sprinkler Stoppers

PLAIN AND PRINTED.

FILLING & CLOSING MACHINES

METAL CLIPS for ends of Tubes and MACHINES for fixing same.
SCREW CAPS, METAL TOP CORKS, etc., etc.

Inquiries invited.



24 CITY ROAD
Finsbury Square
LONDON, E.C.1



SOLID FACE POWDER

A. BOURJOIS ET CIE, PARIS.

We have just received from Paris a large consignment of
No. 65 POUDRE COMPACTE WITH PUFF.

This compact Powder is acknowledged to be of the finest
quality both in perfume and equality of texture.

IN SEVEN TINTS:

| | |
|--------------|-----------|
| ROSE | RACHEL |
| OCREE | NATURELLE |
| MAUVE | BLANCHE |
| ROSETTE BRUN | |



PRICE

8/6

PER DOZEN NET.

HENRY C. QUELCH & CO.

4 & 5 LUDGATE SQUARE, LONDON, E.C. 4.

**SAVE 3/- PER GALLON
BY BUYING
GUARANTEED GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
OF NEW SEASON'S MAKE.**

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL."

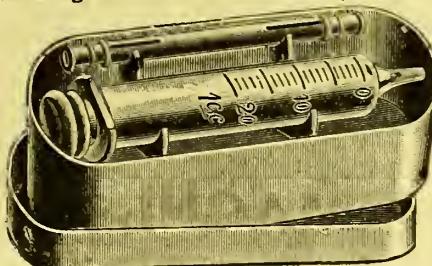
Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

We are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and

our deliveries smart. Besides we also have varied stocks of Glass Bottles.



Send us your inquiries and ask for our Stock List.



Sole Agents for the
"SOLIDITE"
Composition Corks,
made in various sizes
and colours. Samples
and prices will be sent
on application.

JULES LANG & SON, Charlton Works, Charlton Place, ISLINGTON, LONDON, N.1.

Telegrams: "Assorted, Nordo, London." Telephones: North 1344-5 (2 lines)

Sole Proprietor:
FERNAND RENE LANG.

"Corruganza" SEAMLESS Ointment Boxes.

GREASEPROOF.

BRITISH MADE.

Better than the old Willow Boxes, because they are stamped out of one piece, and the bottoms cannot fall out.

MILLIONS SOLD ALREADY. REPEAT ORDERS DAILY.

Send at once for Price List (Wholesale or Export only) to the Manufacturers—

HUGH STEVENSON & SONS, LTD., Summerstown, London, S. W. 17.

**PURE ORANGE WINE
A. MILLAR & CO., LTD., DUBLIN**

OCIMUM AURANTII B.P.

Prepared in strict accordance with the Formula of the British Pharmacopœia.
London Agent: JAMES STIRTON. 43 GREAT TOWER STREET, E.C.

(Wholesale only)

“RECONSTRUCTION”

is the word on everyone's lips, but nowhere is it more vital than in the domain of health. There are many tonic foods upon the market which claim to be body-builders, there is only one which has justified that claim—

“ROBOLEINE”

Its reputation is world-wide, and the Sanatoria and Hospitals where it is not in constant daily use are few and far between. Chemists have given it a great degree of popularity, as its rapid sale does not cut across their own preparations, whilst its profits, regulated by the “P.A.T.A.” reach—in the case of the Special Window-Display terms—the height of

65%.



P.A.T.A. PRICES.

| | Minimum Retail Price. | Wholesale, Per Doz. |
|-------------|-----------------------|---------------------|
| Small size | 1/1½ | 11/- |
| Medium size | 3/- | 28/5 |
| Large size | 5/4 | 51/- |

ALLOWANCE FOR EMPTIES—Small Jars, 1/8 per doz.; Large Jars, 2/8 per doz.

SPECIAL WINDOW-DISPLAY TERMS ON APPLICATION.

“MAGLACTIS”

TRADE BRAND.

AN IDEAL CREAM OF MAGNESIA.

This product deserves considerable attention by Chemists for their retail trade. It has a very extensive sale in the United States, Canada and Australia, whilst in South Africa it is almost a household name. Throughout these Countries it is gradually superseding the old-fashioned fluid Magnesia. Regarding its possibilities for the home market, the following communication from a well-known Manchester Physician speaks for itself:—

“I am very disappointed that the Chemists in this City and the surrounding neighbourhood do not hold in stock a supply of Maglactis. I am constantly recommending it, and shall be glad if you will send one dozen bottles to my patient (address given at Stockport), who states that he has applied to a number of Chemists, and instead of being able to obtain the proper article efforts are invariably made to sell a fluid Magnesia instead. I find the latter is of no use in most circumstances, whereas Maglactis is an excellent remedy for acidity in the stomach in all patients.”

Professional etiquette precludes us from giving the doctor's name.

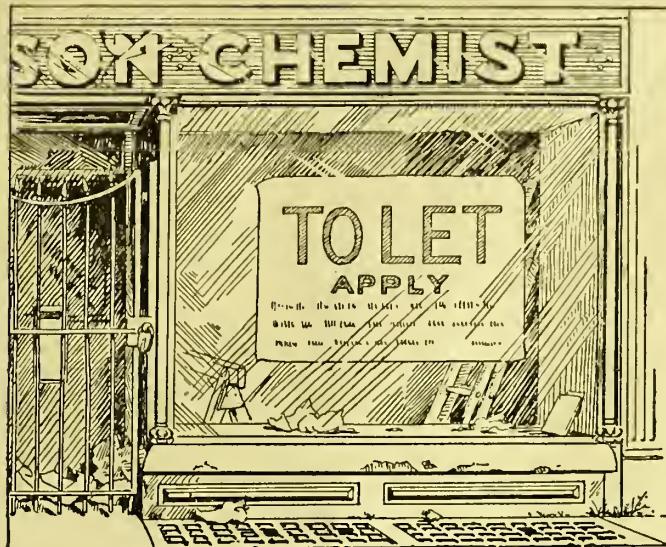
We suggest Chemists should take a stock of this article, which is fully protected by the P.A.T.A., and with each gross we are willing to give—gratis—one dozen, in consideration of a window display.

IF SOLD AT FACE VALUE YIELDS 45% PROFIT.

Price 10/5 per Dozen Net.

OPPENHEIMER, SON & Co., Ltd., 179 Queen Victoria Street, London, E.C.4.

ENTIRELY BRITISH HOUSE SINCE FOUNDATION.



The pity of it !

His customers left him.

He shook their confidence
by yielding to the
temptation to sell
them inferior Cascara
products.

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NOW.

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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
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"C. & D. DIARY," 1919.—Our annual *Diary*, which will be in the same form as the last issue, has, in consequence of war conditions, to go to press somewhat early, and the work of revision is nearly completed. We shall reserve space for the registration of formulas for "known, admitted, and approved" remedies, but we cannot insert in the 1919 *Diary* formulas received after September 30.

Coming Events.

Sunday, September 29.

United Arts Rifles, "B" Company (Pharmacists).—At 10.45, Parade at Richmond Green. Trains leave South Kensington 9.30, Hammersmith 9.40. Recruits parade at headquarters (Imperial College Union, South Kensington, S.W.) at 10 A.M. (Wednesday and Thursday, October 2 and 3, platoon parades at headquarters.)

Wednesday, October 2.

Pharmacists' Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting. At 3 P.M., opening of the session of the School of Pharmacy. Address by Dr. C. Addison, Minister of Reconstruction.

Thursday, October 3.

Western Pharmacists' Association, 316 Regent Street, London, W. (opposite the Polytechnic Institute), at 7 P.M. Reception by Mr. C. A. Noble, followed by whist-drive. Tickets, 2s. 6d. each, from Mr. A. Latrelle, 48 Baker Street, W., or members of the Committee.

European War News.

Import and Export Notices.

CANADA.—An Order in Council was passed on August 17, 1918, prohibiting the export of casein or lactareno to all destinations outside Canada, except under licence issued by the Commissioner of Customs at the request of the War Trade Board.

CEYLON.—On and after July 3, 1918, and until the duty is reimposed, shipments of copra and coconut oil will be allowed free of export duty. Under previous notifications the export duty on such goods, although suspended, had to be paid at the time of export, and application made to the Principal Collector of Customs for a refund.

HOLLAND.—Emetine hydrochloricum, used for the preparation of injections, may be admitted free of import duty in any packing, likewise Neo-Salvarsan. It has been decided that anethol is dutiable at 5 per cent. *ad val.*

UNITED STATES.—Instructions have been issued to American Consuls in the United Kingdom to certify no invoices for ocean shipments made on or after October 1, 1918, of any commodity other than coin, bullion, or currency to the United States, except on receipt of an import-licence number. Import licences will be granted in the United States, and are valid for ocean shipments made within ninety days from the date of the licence, the date of ocean shipment being construed to mean the date of issue of through ocean bill of lading to the United States. With reference to ocean shipments on or after October 1 the American Consul-General notifies all shipping companies that no importation into the United States over \$100 (20*l.*) in value will be permitted to be unloaded from any ship unless covered by an invoice duly certified at the point of shipment, or by a document legally equivalent to such invoice. Shipments not so covered will be required to be returned to the point of origin at the expense of the carrier. Special import-licence numbers will not be required in respect of goods covered by general import licences, familiarly known as PBF licences.

Personalia.

MR. A. D. BREEZE (Breeze, Jackson & Green, Ltd., wholesale druggists, Plymouth) has been gazetted second-lieutenant, V.B. Devonshire Regiment, as from August 9.

LIEUTENANT W. C. MACKENROT, Hussars, attached Border Regiment, is officially reported wounded. Lieutenant Mackenrot is a son-in-law of Mr. W. Hanna, J.P., Ph.C., M.C.P.S.I., Bangor, co. Down.

PRIVATE WILLIAM TAYLOR, King's (Liverpool Regiment), has been wounded in action. Prior to joining the Army he was an apprentice to Mr. J. J. Phillips, chemist and druggist, Ashton-under-Lyne.

SECOND-LIEUTENANT ALEXANDER RITCHIE, South Lancashire Regiment, has been wounded in action, and is in hospital near Oxford. In civil life Second-Lieutenant Ritchie was with Joseph Crosfield & Sons, Ltd., Warrington.

PRIVATE N. A. FINDLAY, Loyal North Lancashire Regiment, is reported as missing since August 29. Prior to joining the Army he was serving his apprenticeship with his father, Mr. A. O. Findlay, pharmacist, Newport (Mon.).

LIEUTENANT R. M. JAMISON, R.A.F., has been awarded the Distinguished Flying Cross. Lieutenant Jamison, who in civil life was with Thomas McMullan & Co., wholesale druggists, Victoria Street, Belfast, is one of four brothers who are serving in the Army.

PRIVATE ROBERT L. SPENCER PALMER, Devonshire Regiment, reported as missing since May 27 (*C. & D.*, July 27, p. 33), has sent a postcard to his father, Mr. J. Spencer Palmer, pharmacist and dental surgeon, Thornbury (Glos.), stating that he is a prisoner of war in Germany.

LIEUTENANT B. M. BRANDER, R.A.M.C., Ph.C., has been promoted captain as from May 23. Captain Brander, who is a Pereira Medallist and assistant-editor of THE CHEMIST AND DRUGGIST, joined the Forces in 1915. He was gazetted to a commission last year (*C. & D.*, 1917, p. 541).

CAPTAIN (TEMPORARY MAJOR) EGERT CADBURY, D.S.C., R.A.F., has been awarded the Distinguished Flying Cross for gallantry during a recent Zeppelin raid. The official record states that, together with other officers, he "attacked and destroyed a large enemy airship which recently attempted a raid on the North-East Coast, and also succeeded in damaging a second airship. The services rendered on this occasion were of the greatest value, and the personal risk was very considerable for aeroplanes a long way out from land." It will be remembered that Major Cadbury, who is the youngest son of Mr. George Cadbury, chairman of Cadbury Bros., Ltd., Bourneville, has previously been mentioned in THE CHEMIST AND DRUGGIST as the hero of a similar exploit (*C. & D.*, 1916, p. 1211).

B

Miscellaneous.

COPPER SULPHATE PRICES.—We have been informed by the Ministry of Munitions of War, Explosives Department, Storey's Gate, Westminster, S.W. 1, that the Copper Sulphate Order came to an end on August 31, and it has not been considered necessary to fix the prices for the remainder of 1918, but probably a new Order will be issued in 1919.

PUNISHING GERMANS.—The Attorney-General, at Liverpool on September 18, said: "I have given close attention to the subject of international law, and I tell you plainly that there is in international law abundant warrant for the punishment both in their persons and in their purses of the proved and identified criminals. It has not been becoming until the hope of victory was recently formed upon the events in the field to talk of what we should do when victory came. That those persons who can be identified with universally admitted acts of outrage are to escape with impunity is a view of the situation which I certainly should find it difficult to accept. We are told it will not be possible for Germany to pay indemnities, although she herself is demanding 300,000,000£ from the Bolsheviks. There are great assets in Germany, and it is a matter which is irrelevant from one point of view as to whether those assets are pledged by the German Government to the citizens of that country who have supplied the money for the war to be carried on. The relevant answer to the German Government is, 'You have pillaged and destroyed Belgium and ravaged France, and your first obligation is to compensate Belgium and then France and then pay those who put up the money to enable you to commit those outrages.'

SOLDIERS' EDUCATION.—We mentioned last week that the education of soldiers on active service was being attended to with a view of fitting them for their return to civil life. An official announcement has since been issued in pamphlet form, which explains that during the continuance of hostilities the objects to which educational training will be directed are:

(a) To raise morale, both indirectly by providing mental stimulus and change and directly by means of lectures on German methods, aims, etc.

(b) To broaden and quicken intelligence, both by stimulating the desire for study and by giving men a wider realisation of their duties as citizens of the British Empire.

(c) To help men in their work after the war by practical instruction, as far as may be possible, in their professions or trades.

Exclusive of disabled soldiers, who are dealt with by the Ministries of Labour and Pensions, there are five classes, which each need separate consideration: (a) The convalescent, (b) A (iv) men in young soldier and graduated battalions, (c) command depôts, (d) special camps in Great Britain, (e) armies in the field. Lectures, and, where practicable, classes of a general character will be arranged in convalescent hospitals and depôts both for officers and men, and standardised libraries up to 100 books will be established. All A (iv) soldiers serving in young soldier or graduated battalions will during their service in the United Kingdom undergo a course of general education. Where facilities exist locally, classes of practical instruction will be organised for the benefit of soldiers who had chosen a career before joining the Army. This course of education will be compulsory, the hours allotted to it being a maximum of six per week and a minimum of four. As regards the armies in the field, all officers and men on active service may apply for educational training with a view to improving their general knowledge, and to preparing themselves for their return to civil life. Wherever circumstances permit, facilities for such educational training will be given, and as a general rule arrangements will be made to free from duty for at least two hours a week men who evince a genuine desire for study. Such facilities will consist of (a) lecture courses, (b) classes in accordance with recommendations to be issued later. Classes in practical work will be designed rather to improve a man's all-round efficiency than to qualify him for a particular trade. In special cases endeavour will be made as far as practicable to afford opportunities for men to improve, or, at any rate, retain their skill in the employments in which they were engaged before joining the Army. Every endeavour will be made to arrange for the institution of an Army Education Certificate, based on standards approved by the Board of Education.

MEXICAN CANDELILLA WAX.—The extraction of wax from the wild candelilla weed, which flourishes in the upper border region of Texas and in Northern Mexico, is growing rapidly, says the "Boston Transcript." There are now six factories, each with an average output of 1,000 lb. a day.

Military Tribunals' Decisions.

BATH.—Mr. J. L. S. Gordon, chemist and druggist, was exempted for three months and excused Volunteer service.

CAMBRIDGE.—Mr. F. S. Campkin, Ph.C. (A. S. Campkin & Sons), was exempted for three months. A lengthy argument took place over the claim for exemption of Mr. B. S. Campkin, chemist and druggist, heard at the same sitting. The local Pharmaceutical Committee had unanimously agreed that "in view of the fact that Mr. F. S. Campkin is almost entirely engaged in optical work, and that Mr. B. S. Campkin is responsible for the pharmaceutical and agricultural side of the business, the latter is indispensable, and it is essential that he should remain." The Insurance Committee, on the other hand, held that the release of Mr. B. S. Campkin was the condition on which his brother was to be regarded as indispensable. In support of this view, it was stated that there were ten chemists within 400 yards of Messrs. Campkin's shop. It was suggested on Mr. B. S. Campkin's behalf that he might be allowed, as a Grade 2 man, to become a substitute; but it was officially answered that substitutes were taken from among men in Grade 3. Exemption was refused, calling-up (subject to there being no appeal) to be postponed to October 17.

FULHAM.—Mr. H. P. Downey, analytical chemist on the staff of Oxo, Ltd., was exempted for four months.

LANCASTER.—On appeal, Mr. Ernest Cuthbert (Cuthberts (Lancaster), Ltd., chemists), who has for some time been engaged on munition work, was conditionally exempted.—The local Tribunal exempted Mr. W. Arkle, jun., assistant with Mr. W. Arkle, chemist and druggist, to March 31, 1919.

MAIDSTONE.—The application of Mr. J. S. Cheetham, chemist and druggist, assistant with Mr. F. J. Oliver, chemist and druggist, for exemption from Volunteer service was refused.

SHEFFIELD.—On appeal, Mr. O'Regan, assistant with Mr. M. T. Miner, Ph.C., was granted final exemption to October 31.

TUNBRIDGE WELLS.—The exemption held by Mr. A. L. Thorne, chemist and druggist, was withdrawn, twenty-eight days' grace being given.

Colonial and Foreign News.

COSTLY DENTAL RUBBER.—The price of dental rubber in Holland was recently reported to be 70fl. per kilo.

CYANAMIDE SHORTAGE.—In Switzerland 3,500 tons of cyanamide was used in 1917; this represents a tenth part of what is needed.

CHEMICAL PRODUCTS FROM SEAWEED.—A factory for the extraction of chemical products from seaweed is in course of erection at Skaane, Sweden.

SOAP RATIONED IN MOSCOW.—Soap is being sold in Moscow on food-cards— $\frac{1}{2}$ fuit of plain soap or two cakes of toilet-soap in exchange for one coupon.

VARNISH-SUBSTITUTE.—It is stated in the Danish Press that a varnish-substitute, known as "Ebolit," has been tried with successful results. It is at present much cheaper than varnish.

SALICYLIC-ACID SALES IN DENMARK.—The restrictions in Denmark which provided that chemists alone should import and sell salicylic acid or preparations containing it are now cancelled.

BREAKING HIS OWN REGULATIONS.—The Hungarian Minister of Trade, Szterenyi, has just been hoisted by his own petard in a manner that has set all Budapest laughing at him. There is a *savon de luxe* known as *Vera Violetta* toilet-soap, the manufacture of which has for economical reasons been forbidden by his Department. Szterenyi, however, wanted some for his own use, and ringing up the manufacturers on the 'phone he ordered a supply. Told that the soap was no longer being made, he replied that he could use no other, and persisted in his demand. He was then promised three dozen cakes, and a date was fixed for their delivery to him at the works. Unfortunately a journalist overheard this conversation on the 'phone, and on the day appointed for delivery sent a friend for the soap in the Minister's name. It was given to this man, paid for by him, and a formal receipt for the amount made out in Szterenyi's name was obtained. Next day the whole story and a facsimile of the receipt appeared in the Socialist paper "Nepszavà," with the result that the Minister of Trade has been prosecuted for a breach of his own regulation!

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Chemical Industry Club.

This Club, which has been in existence for more than twelve months, has now moved into Club premises at 2 Whitehall Court, London, S.W. 1. The new premises are just behind the War Office, close to Charing Cross Station, and the accommodation includes dining-room, recreation-rooms, and bedrooms, with other facilities usual in London clubs. It should be added that the adoption of the present scheme does not affect any larger plan which may be brought forward after the war, but members joining the Chemical Industry Club will be contributing to gain experience which may be useful for any larger scheme that may materialise. The members of the Committee are Mr. E. T. Brewis, Dr. H. V. A. Brisco, Dr. F. B. Dohm, Mr. L. J. de Whalley, Professor J. W. Hinchley, and Dr. E. C. B. Wilbraham. Mr. H. Edwin Coley is the Hon. Secretary. The subscription for town members is three guineas and for country members two guineas. On September 23 the inauguration of the new premises took place, and members had an opportunity of testing the facilities offered. There was a large attendance, the smoking-room being well filled. During the course of the evening Mr. Coley gave the members information as to the progress of the scheme. He announced that about 300 members have joined, and he added that the Club would soon be in the happy position of having to consider the question of limiting the membership. Among the new members are Sir Wm. Crookes, O.M., and Dr. C. C. Carpenter, ex-Presidents of the Society of Chemical Industry. We noticed several pharmacists among the members, and we are glad of the evidence that pharmaceutical chemistry is recognised as a part of the comprehensive title, "Chemical Industry."

Contracts.

The following Government contracts have been notified:

WAR OFFICE.—*Bacteriological Apparatus, etc.*—C. Hearson & Co., Ltd. *Chemicals*.—Baird & Tatlock (London), Ltd. *Dental Outfits, etc.*—L. Porro, Ltd. *Medicines*.—Burgoyne, Burbidges & Co., Ltd.; Fabra Co., Ltd.; London Chemical Works, Ltd.; Menley & James, Ltd.; Procter, Johnson & Co. *Naphthalene*.—Burt, Boulton & Haywood, Ltd. *Paraffin Wax*.—Young's Paraffin Light and Mineral Oil Co., Ltd. *Photographic Stores*.—T. Illingworth & Co., Ltd.; Imperial Dry Plate Co., Ltd.; Kodak, Ltd.; Paget Prize Plate Co., Ltd.; Thornton-Pickard Manufacturing Co., Ltd.; Wellington & Ward. *Soap*.—Anti-Scrub Soap Co.; J. Crossfield & Sons, Ltd.; Price's Patent Candle Co., Ltd.; Wilkie & Soames, Ltd. *Surgical Materials*.—Arnold & Sons; R. Bailey & Son; G. Barth & Co.; General Surgical Co., Ltd.; G. Haynes & Co.; R. H. Heward Co.; S. Maw, Son & Sons, Ltd.; Mayer & Meltzer; Medical Supply Association; Robinson & Sons, Ltd.; Siebe, Gorman & Co., Ltd.; T. J. Smith & Nephew, Ltd.; Southall Bros. & Barclay, Ltd.; C. F. Thackray; Vernon & Co., Ltd.

The following tenders have been accepted by the bodies named:

Colchester Guardians.—Mr. A. Weddell, Ph.C., drugs, etc. Malling Guardians.—Mr. H. C. H. Oliver, chemist and druggist, medical necessities.

Weymouth Guardians.—Mr. M. T. Evans, chemist and druggist, surgical dressings.

Birmingham.

Mr. Wilfrid Hill has been setting forth his views on an early general election in a letter to the local Press.

A unique exhibit in the war procession which filled two miles of our streets on September 21 was that of a complete dispensary equipped with lady dispensers and nurses, among whom were Mrs. Shammon and Miss I. Nichols. Another much observed deputation was that representing feminine beauty as fostered "in the munitions." Now we know where the perfumes, cosmetics, and other toilet-requisites go.

Leeds.

Olive oil will, it is believed, share the fate of "bunnies" and blackberries if the prophecy of a controlled price of 2s. 6d. a pint is fulfilled.

A window-show of hot-water bottles in September hardly looks seasonable; but a pharmacist who has already displayed them is satisfied with his sales.

The education authorities in this city provide evening classes for students wishing to study for the Qualifying examination. The fee is very moderate—7s. 6d. for the session.

Friends in the trade will regret to hear that Mr. Crawford, North Street, is laid up with diphtheria; he is, however, progressing favourably. Through the kindness of a "brother pill" his business is being kept going.

A naval man home on leave declares that a dash of a certain Yorkshire relish added to the rum-ration was found to be a very "grateful and comforting" anti-malarial nightcap by some of the troops in the Mesopotamia campaign.

Liverpool.

The wholesalers continue at high pressure, but are, comparatively speaking, little in arrears with orders.

The winter programme of the sixty-ninth session of the Liverpool Chemists' Association was opened with a reception and social evening on September 25.

The Liverpool Education Committee has appointed Dr. Courtenay Yorke as operating surgeon at the North Dispensary Clinic for enlarged tonsils and adenoids, at a salary of 250*l.* a year, and Dr. Arthur Holt as whole-time acting school medical officer at a salary of 6*l.* 6*s.* a week with war bonus.

A party of the employés of Evans Sons Lescher & Webb, Ltd., journeyed to Willaston recently for a shooting competition, an annual affair for which, prior to the outbreak of war, all men who were members of the Territorial Forces were eligible. In spite of the rain a good afternoon's sport was enjoyed, the winner, Mr. H. E. Shalleross, securing 100 points. Before returning the party was entertained by Mr. J. N. Evans.

The "Liverpool Daily Post" of September 21 contained an advertisement from a manufacturing company offering, *inter alia*, positions to a works manager, "preferably experienced wholesale chemist," to a "chemist, trained and experienced," to a "research chemist, experienced food chemistry," and to "wholesale chemists, etc., workers." The task of sorting out the applicants would seem to demand an extensive and peculiar knowledge of chemistry—and perhaps of psychology as well.

Manchester.

The old-established pharmacy of Wright & Barnaby, Oxford Road, has just been purchased by Taylors' Drug Co., Ltd., Leeds. This is their first venture in Manchester. Extensive alterations are to be made in the premises.

Manchester University announces the formation of classes in Russian and Chinese. Intending students should communicate with Professor W. J. Sedgefield respecting the former, and with Professor Parker respecting the latter.

Mr. E. Gower Bryant, Ph.C., F.C.S., Northern College of Pharmacy, Burlington Street, has left Cottonopolis for "the granite city." His many Manchester friends wish him every success as Lecturer at Robert Gordon's Technical College, Aberdeen.

Mr. F. B. Flint, Wilbraham Road, Chorlton-cum-Hardy, has a rather uncommon window-display at present, comprising a large number of prizes to be given away in a draw in aid of a Red Cross Fund for providing cigarettes and tobacco at local hospital.

Mr. Harry Haworth, Stockport Road, has recently returned from a holiday much better in health. As a result of overwork, followed by an operation, his condition became so serious that a holiday was an absolute necessity. His many friends wish him a speedy and complete recovery.

The Committee of the Manchester branch of the British-Italian League invites donations and subscriptions towards the endowment of Italian studies in the University of Manchester. The sum of 10,000*l.* is needed for the purpose; of this amount about a third has already been raised, the list of contributors including the names of Sir Henry Miers, D.Sc., Sir Frank Forbes Adam, Professor R. S. Conway, Professor and Mrs. Tout, and Mr. H. Woolley, Ph.C.

Nottingham.

Pharmacists are being kept busy, and the call for toilet-preparations continues to increase. Perfumes of the highest class are bought regardless of price in a city which has long had a reputation for girls who know how to make the best of themselves.

Although exemption has been generally granted by the local Tribunal to chemists of the new military age, the position with regard to service with the Volunteers has not yet been decided. It is understood that the matter has been left for arrangement between the National Service Representative and the Special Committee of the Pharmaceutical Association.

There is a great and growing demand here for candles, tapers, and night-lights, and already these things are becoming difficult to obtain. Not only are residents conserving their electricity or gas allowance by burning night-

lights and candles upstairs, but in some instances are consuming such substitutes for the more powerful illuminants in their dining and sitting rooms.

The Council of the Nottingham Pharmaceutical Association is arranging a programme of lectures and discussions of a commercial and scientific character for the coming session. Novelty and interest attach to an idea that it is hoped to adopt for the entertainment of wounded soldiers in the city. Another suggestion is that relics which have survived an age when tokens were part of the chemist's stock-in-trade should be exhibited.

Sheffield.

On September 21 a transport wagon crashed into the window of Mr. H. G. Williams's pharmacy, The Moor, causing considerable damage.

An outbreak of fire was caused a few days ago on the premises of Carter & Sons, wholesale druggists, Attercliffe Road, by the contact of an unprotected light with some inflammable vapour.

Miscellaneous.

EARLY-CLOSING AGREEMENT.—The chemists of Surbiton have agreed to close at 7 P.M. (Saturdays, 8 P.M.) till further notice. It is hoped that panel doctors will be induced to see their patients between the hours of 4 and 6 P.M.

EARLY CLOSING.—The Home Secretary has decided to continue in force the present general Early-closing Order for shops without any alteration in the closing hours. The new Order which has been made for this purpose will hold good until further notice.

SUMMER-TIME.—The Home Secretary gives notice that summer-time will cease and normal time will be restored at 3 A.M. (summer-time) in the morning of Monday, September 30, when the clock will be put back to 2 A.M. The hour 2-3 A.M. summer-time will thus be followed by the hour 2-3 A.M. Greenwich time.

MUNICIPAL PHARMACY-CLASSES.—The Swansea Borough Education Committee has decided to establish day-courses for students of pharmacy in addition to a course (already sanctioned by the Ministry of Pensions) for training discharged sailors and soldiers as analysts in metallurgy. A lecturer is required, the salary offered being 250*l.* per annum.

ELECTROLYTIC DISINFECTANT.—The recently issued annual report on the sanitary condition and vital statistics of Poplar contains a detailed account of the distribution during the year of the electrolytic disinfectant-fluid manufactured by the borough. Since the installation of the plant, twelve years ago, a total of 475,469 gals. has been supplied at a cost of about a halfpenny a gal. From October 1915 a charge of 8*d.* a gal. has been made to trading concerns using the fluid.

POISONINGS.—At a recent Warwick inquest on a girl aged 14, who died after accidentally swallowing nitric acid, Mr. Pratt, pharmacist, gave evidence as to his administration of an antidote. A verdict of "Death by misadventure" was returned.—An open verdict was returned by the Manchester Coroner in the case of Sarah E. Higham (27), who died from the effects of poisoning after a visit to a surgery. A medical witness expressed the opinion that tincture of opium, nitric acid, and hydrochloric acid had been drunk.

IN THE COURTS.—At Westminster Police Court, London, on September 24, the Bower Produce Co., Ltd., exporters and merchants, 40 Great Tower Street, E.C., were summoned for having, for the purpose of obtaining an export licence, presented a declaration false in a material particular, contrary to the Trading with the Enemy Acts, etc. It appeared that the defendants had, in applying for a licence to export natural indigo to a firm in Greece, stated that they understood that a recommendation from the British Legation at Athens was on its way, the fact being that the order for the indigo had at that time been cancelled. A fine of 10*l.*, with 10*l.* 10*s.* costs, was imposed.—At Thames Police Court, London, on September 23 and 24, four Chinamen were fined sums ranging from 10*l.* to 2*l.* for having in their possession opium prepared for smoking and utensils for smoking it.

SWISS DYE- AND CHEMICAL-MAKERS COMBINE.—The Society for Chemical Industry, the Geigy Co., and the Sandoz Chemical Works have called meetings of shareholders to consider proposals for a close working agreement. It is understood that the arrangement will follow closely that of the German colour-makers—that is to say, there will be a long-term agreement, under which profits, processes, and patents will be pooled, but each firm will retain its individuality so far as management is concerned.

Irish News.

Brevities.

Mr. R. F. McCartney, Ph.C., Coleraine, presided at a recruiting meeting in the town on September 21, when speeches were delivered by members of Parliament and others.

Owing to a printers' strike in Dublin the Local Government Board says that it has been impossible to issue the schedule for the half-yearly contracts for medicines and surgical appliances. Consequently the making of contracts has in some cases been postponed for a few weeks.

At the bi-monthly meeting of the Board of Management of the Royal Victoria Hospital on September 18, the Superintendent reported the receipt of a number of splints and bed-rests from the metal and wood makers of the St. John Ambulance Association, Lurgan, per Mr. Alfred A. Mann, Ph.C., for which the Board returned its hearty thanks.

The Lord Mayor of Cork has received a copy of a new Lighting Order from the Coal Controller, which will bring about very drastic changes in the public and private lighting of Ireland. Saturday is the only day of the week on which the present-day lighting arrangements will be allowed. On the other days of the week lighting will have to be cut down in all shops. Chemists' shops are not affected by this Order.

Mr. W. C. Dobbin, Ph.C., Belfast, writing to the local Press, says "that while the citizens are being implored by prominent placards in the tramway-cars to economise light and fuel, the cars themselves are each brilliantly lighted by some sixteen lamps." He adds: "We hear it suggested that Sunday evening services are to be suspended. Places of amusement have unlimited lighting till late every week-night."

In connection with the coal-saving campaign, the Belfast Corporation on September 20 decided to recommend to the Coal Controller that an order should be made that all wholesale premises close at 5 P.M., and retail shops on Mondays, Tuesdays, Wednesdays, and Thursdays 5.30 P.M., Fridays 7.30 P.M., and Saturdays 9 P.M. Chemists and druggists would be excepted for the sale of medicines, and medical and surgical appliances.

At a meeting of McClinton's, Ltd., and D. Brown & Son, Ltd., soap-manufacturers, Donaghmore, co. Tyrone, on September 13, the following were appointed managing directors: Messrs. S. Rutledge, S. Gallaher, G. Burns, and Moore. Mr. Rutledge has been "on the road" for thirty-three years, and is senior representative of the companies in Ireland. Mr. Gallaher was also on the road for eighteen years, and during the past twelve years has acted as commercial and advertising manager. Mr. Burns has a twenty-one years' record, and was appointed secretary in 1906. Mr. Moore has been for thirty-three years managing the farm and timber business. Branches are to be opened in London and Belfast, where some of the preparations will be packed and warehoused.

Council Candidates.

Mr. W. B. Conyngham, Ph.C., 9 Belgrave Road, Monks-town, co. Dublin, is a candidate for a seat on the Council of the Pharmaceutical Society. In an advertisement in the Coloured Supplement he asks for votes from members.

Mr. Huston Lancashire, Ph.C., J.P., Ballymena, has accepted an invitation to stand for a seat on the Pharmaceutical Council of Ireland. Mr. Lancashire is going forward as a nominee of the North Irish Pharmacists' Association, and has issued his address to the trade. He is in favour of the following changes:

A movement for insisting, in the public interest, that all medicines supplied to the public, whether by sale or otherwise, shall be dispensed and compounded by qualified dispensers only, or under their supervision; all private surgeries or the surgeries of public institutions, and Government Departments, where medicines are handled or poisons dealt with, shall be carried on under the same restrictions, and their owners or managers be subject to the same penalties as retail traders for infringements of Poison Regulations, Weights and Measures Act, Sale of Food and Drugs Acts, etc.; and that all these surgeries, etc., should be thrown open to the visits of Government Inspectors; of taking a vote of the Licentiates of the Pharmaceutical Society on the question of removing all artificial barriers to the examination of registered druggists in business who had had practical dispensing experience, with a view to having the R.D. grade eventually done away with; of causing the present Pharmaceutical Society to take up after its statutory labours the commercial side of pharmacy, and resolving itself into a Business Council; of forming an Educational Advisory Committee, composed of some members of the Council and some outsiders, with an outside authority as Chairman, to discuss the improvement of both Preliminary and Final examinations, with the widest possible terms of reference; of improving the status of pharmacists in his Majesty's Forces.

The North Irish Pharmacists' Association, in a circular in favour of Mr. Lancashire, states that the present Pharmaceutical Council is hopelessly out of touch both with the requirements of pharmacy as met with in practice and with the Government, and something must be done, and done at once, to infuse new life into it; or, failing that, a new Business Council must be created.

Mr. W. J. Hardy, Ph.C., Belfast, an outgoing member of the Council, and a member of the North Irish Pharmacists' Association, is also receiving the support of the latter body.

Scottish News.

Brevities.

Window-shows up and down the country botoken approaching winter.

Rosyth has attracted the attention of more than one pharmacist as a likely place for establishing a branch.

Damage estimated at 500*l.* was caused by fire at Provan Chemical Works, Provanmill, Glasgow, on September 19.

Mrs. Purdie, widow of the late Dr. Thomas Purdie, professor of chemistry at St. Andrews University, died on September 21.

A memorial tablet to Robert Dick, the botanist, has been placed in the front wall of the house where he was born in Tullibody, a village near Alloa.

The suggestion is being made that concerted action should be taken to increase dispensing-prices by a definite percentage, and to establish a scale of minimum charges.

The public are leaving stocks of saccharin on the hands of grocers and other traders—convinced, evidently, that the chemist is the only supplier who knows what he is selling. Co-operative societies are in some cases charging 9*d.* a dozen.

Consternation has been caused in homœopathic circles in Glasgow, as it appears that, owing to war conditions, only one homœopathic doctor has been left to take care of practically all the West of Scotland. Endeavours are being made to secure the return of others.

Syrup-requisition forms have been issued to chemists throughout the country. Few, however, are availing themselves of them. Considerable loss has occurred of late through fermentation and fungoid growths in syrups, which filtration helps to clear but fails to eliminate.

A notice has lately appeared in the "Fifeshire Advertiser" announcing that the chemists of Kirkcaldy and Dysart will close their premises at 7 p.m. (Saturdays, 8.30 p.m.) on and after October 1. The notice bears the following names: A. G. Adamson, Boots, Ltd., Alex. H. Forrester, Geo. B. Key, Jas. B. McLaren, John Peebles, Peebles & White, Charles Stewart, Frank G. Stewart, David Storrar.

"Pocket flash-lamp, guaranteed to last four months without recharging; 1*s.*, post free." This advertisement, which has been appearing in a local paper, tempted an Edinburgh man to part with a shilling. His shillingsworth turned out to be a formula, beginning, "Take a long vial of clear glass," and ending, "Handle phosphorus in water." Incidentally, the document, which purported to emanate from one James Rodger—a jolly Rodger, probably—stated that the "lamp" had been adopted by the French "Government."

Scottish Chemists' Retail-price List.

The following are some of the alterations in the current issue of the Scottish Chemists' Retail-price List: *Drugs.*—Ammon. carb., 2*d.* oz.; ammon. sulphoc., 1*d.* dr.; aq. lavand., 1*s.* 6*d.* oz.; conf. sennae, 4*d.* oz.; liq. calcis, 2*d.* pint; liq. cresol. sapon., 2*d.* oz.; lotio ac. carbol. (1 in 40), 1*d.* oz.; ol. Cajuputii, 3*d.* dr.; ol. carbol. (5 per cent.), 3*d.* oz.; ol. terebinth., 2*d.* oz.; piper alb., 6*d.* oz.; piper nig., 4*d.* oz.; sp. camph., 9*d.* oz.; tinct. benzoin. simp., 1*s.* oz.; tinct. buchu, 10*d.* oz.; tinct. chlorof. et morph. co., P.B., 3*d.* dr.; tinct. hyoscy., 10*d.* oz.; tinct. quin. amm., 8*d.* oz.; vin. ferri cit., 4*d.* oz. *Packed Goods.*—Easton's syrup, 2-oz. bot., 1*s.*; compound syrup of hypophosphites, 2-oz. bot., 10*d.* *Proprietaries.*—Limestone Phosphate, 2*s.*; Odol, 1*s.* 9*d.*, 3*s.*, 5*s.* 3*d.*; Tetlow's Swadown Powder, 9*d.*; Valentine's Meat Juice, 3*s.* 10*d.*

GLUE FROM BACTERIA.—A German publicist describes a new glue produced from bacteria. Certain kinds of bacilli, when treated with other "scarcely-related" groups, form a glue capable of doing the work even of bone glue or strong cement. It is stated that Army and industrial requirements can be satisfied by this discovery.

French News.

(From the "C. & D." Paris Correspondent.)

THE ANALYSES OF MEDICAMENTS and hygienic products for pharmacists, business firms, and the public generally, hitherto effected at the Paris Municipal Laboratory, are in future to be carried out by the analytical laboratory already existing at the Paris School of Pharmacy.

A ROLL OF HONOUR, containing the names of students or ex-students of the Paris School of Pharmacy who have distinguished themselves in the present war, is being placed in the Great Hall of the School. Steps have been taken by the Director to make it as complete and comprehensive as possible.

ATTEMPTED POISONING.—Dr. Grasset mentions the case of a laboratory porter who attempted to commit suicide by taking adrenaline. He first swallowed 15 grams of 1-in-1,000 solution, and five minutes later another 20 grams, but was saved by immediate bleeding and the administration of an emetic.

OUR PREMIER.—The "Cri de Paris" has disintorred all Clemenceau's school record. The only prize he seems to have taken at the Nantes Lycée was for natural history (1857). In the previous year he was "honourably mentioned" for chemistry, and during his five years' study he gained two similar certificates for English. The years 1854-56 were those of the Crimean war and the first "Entente Cordiale."

CLINICAL THERMOMETERS.—A law recently promulgated decides that from May 1919 no medical thermometers shall be sold, offered for sale, or delivered, unless duly tested and marked. The official test-mark and date will be placed on each instrument; the name of the maker must in every case be also marked. Penalties are specified for failure to comply with the new regulations, and exaggerated inaccuracy will render offenders liable to prosecution under the Act of August 1, 1905. The exact details as to the *modus operandi* of testing, etc., will be published in a few weeks.

PHARMACEUTICAL RESEARCH.—An interesting volume has just been published embodying the researches of the *materia medica* laboratory of the Paris School of Pharmacy. One of its features is the series of articles, by M. Perrot (Professor of *Materia Medica*), on the useful plants of the African colonies; this includes a chapter (written in collaboration with Mlle. Huber) on Madagascar cinchona. Assistant-Professor Goris writes on glucosides in plants, the chemical composition of distilled water and of mosses and other subjects; and H. W. de Boer contributes a micrographic study of ten new vegetable drugs included in the fourth edition of the Dutch *Pharmacopeia*.

RELICS OF TINGRY.—In the "Bulletin of the Society of the History of Pharmacy," M. Burkhard Reber, the well-known Geneva collector, publishes some biographical notes on François Tingry. Born at Soissons in 1743, this chemist studied under the celebrated Rouelle. In 1770 he went to Geneva, where he was formally naturalised in 1773, and became Vice-President of the Society of Arts and Professor of Chemistry and Natural History. He introduced seidlitz salts in France, as is attested by his letter of July 8, 1785, to the "Journal de Paris." M. Reber has unearthed a number of old documents (MSS. and correspondence) belonging to this *savant*, and left by him to his adopted city. He died at Geneva in 1821.

WAR RECORDS AND DOCUMENTS.—The exhibition at Val de Grace Military Hospital (Paris) covered a larger field than might be supposed by the title, models of anatomic specimens, stretchers, gas-masks, and general ambulance supplies being all included. There were a few pharmaceutical objects of the French regulation pattern (hampers of medicaments, analytical apparatus), besides British first-aid dressings and a few captured German objects, such as tubes of Behring's anti-tetanic serum, apparatus for water sterilisation, a stretcher-bearer's pocket pharmacy, etc. The Exhibition had its historical side, and from a pharmaceutical point of view this was perhaps the most interesting. Autographs (mostly of an official character) of well-known army pharmacists were shown, also busts and portraits; while M. Benderly's collection of water-colour sketches of uniforms is certainly the most complete and accurate yet placed before us, ranging from the apothecary-major of 1788, in his slate-grey coat and red smallclothes, and the pharmacist of Thermidor, Year VI. of the Republic, in his "national blue" suit and plumed hat, to the familiar modern kepis and tunics.

Dispensing Chemists and Military Service.

As our Correspondence columns have recently shown, much doubt exists among members of the trade as to their liability to Army service, and especially in regard to the "Volunteer obligation" so often insisted upon by Military Tribunals. Our readers will therefore be interested in the following notes on the position by the Clerk of an Insurance Committee who is also a solicitor.

Chemists cannot understand why they should be brought before Tribunals when the National Service Representative has agreed as to their indispensability. The Insurance Commissioners in May last issued to Insurance Committees Memo. 244 I.C., which dealt with two classes of persons—(1) those who already held certificates of exemption from Tribunals, and (2) those who did not hold such certificates (principally consisting of men rendered liable to service by the Military Service No. 2 Act, 1918). The Insurance Committee were to consult with the National Service Representative as to the chemists who should be treated as in a certified occupation and as to those who were not to be so treated; and, once an agreement was come to, a list in duplicate was to be signed by the National Service Representative and the Clerk to the Insurance Committee, one copy to be kept by each of these two officials. Cases where an agreement could not be reached were to be referred to a central body in London. With regard to class (1), paragraph 4 of the above Memo. distinctly stated that they should continue to retain those certificates while they remained indispensable to the needs of the population; and the cases of those in class (2) should be presented to the Tribunals for issue of their certificates as soon as practicable. National Service Instruction No. 103 of 1918 was subsequently issued, dated May 23, 1918, containing definite instructions to National Service Representatives that this procedure should be carried out. Now, what has happened? Instead of permitting chemists already in possession of certificates to retain the same, many National Service Representatives are now bringing cases before the local Tribunals for revision, their reasons being "that it is no longer in the national interest that the man should continue in civil life." The object is stated to be merely to secure that the previous conditional "unlimited" should be limited to six months' temporary; and also to secure the fulfilment of the "Volunteer obligation." At one time it was also urged that the reason was to bring them into line with the older men whose cases would automatically have to come before the Tribunal (where they could not be granted more than six months), but this cannot be now put forward as an excuse, seeing that the instructions of the Director of National Service are to the effect that men in a certified occupation of the older age need not now submit themselves for medical examination. It is surprisingly difficult to convince members of local Tribunals who are not acquainted with the legal obligations of chemists that they cannot reasonably be expected to do Volunteer service. The recent Memo. of the Local Government Board, while mentioning the case of chemists, does not go far enough. It merely contains a statement that representations have been made, etc. If the Pharmaceutical Society had secured an expression of opinion by the President of the Local Government Board that "he considered it inadvisable," it would have had far more weight. Very recently I appeared on behalf of a chemist under forty years of age; in Grade 1; only recently married. The case was by no means a strong one, but there was the principle involved that the man was upon the agreed list. The local Tribunal, being of the opinion that the man should be in the Army, would not listen to his being in a certified occupation, and refused the renewal of his exemption. An appeal was lodged with the Appeal Tribunal, where a different set of gentlemen considered the matter, the Chairman being well learned in the law, and the arguments which I successfully used will, I feel certain, be effective elsewhere. The instructions in the List of Certified Occupations are to the effect that "when exemption is claimed for a man on the ground that he is in a certified occupation he is entitled without further question to a certificate of exemption if the Tribunal are satisfied that his principal and usual occupation is a certified occupation; except that a Military Representative may deliver notice that he will contend that, notwithstanding that the man is in a certified occupation it is unnecessary to retain him in civil life." If this procedure is followed, the Tribunal have then, and then only, the right to decide the case on its merits. But it is clearly laid down that where this contention is raised as regards a man in a certified occupation the burden of proof lies with the Military

Representative. My contention before the Appeal Tribunal was that, the Military Representative having agreed in writing as to the indispensability of the man, he could not now contend that it was no longer necessary to retain him in civil life, and that until such agreement was withdrawn the Tribunal had no option but to renew the man's exemption. The Appeal Tribunal unanimously upheld this contention and renewed the exemption. Then came the question of "Volunteer obligation," which the Military Representative pressed very strongly. The man was acting as a special constable, and here again, the Appeal Tribunal unanimously relieved the man of the obligation, and the remarks of the Chairman are worthy of repetition elsewhere. In giving his decision he stated that "if the representative of the Ministry of National Service was satisfied that a man of this age, and Grade 1, should be exempted in order to perform his duties efficiently, it was inconsistent to ask that he should be put in the Volunteers." In another case before the local Tribunal, when the Town Clerk was acting as Secretary to the Tribunal, he suggested to the National Service Representative that the application for review might be withdrawn. My experience in this and other cases leads me to suggest that the Pharmaceutical Society of Great Britain should, with the co-operation of the National Health Insurance Commission, now persuade the Director of National Service to adhere strictly to the terms laid down in paragraph 4 of Memo. 244 I.C., and thus not only relieve the chemist of anxiety, but save the time of the Tribunal and prevent the necessity of engaging expert opinion to convince people in these busy days what the present legal position is.

Legal Report.

Testing Prescriptions.—At Plymouth Police Court, on September 18, Mr. William Montagu Martin, chemist and druggist, Fore Street, Devonport, was summoned for selling a compounded drug not composed of ingredients in accordance with the demand of the purchaser. Evidence for the prosecution showed that on August 1 a prescription, ostensibly for a panel patient, was dispensed at Mr. Martin's shop; on analysis, it was found to contain 15 gr. of sodium salicylate to a fluid ounce instead of 20 gr. as required in the prescription. For the defence, Mr. W. G. Kelynack, chemist and druggist, assistant with Mr. Martin, stated that he dispensed the prescription and was quite satisfied at the time that it was correct. The fault was in the dispensing-solution. A fine of 10s. was imposed.—At the same court, on September 19, Mr. Henry J. T. Netten, chemist and druggist, Manor Street, Stonehouse, was summoned for a similar offence under the Sale of Food and Drugs Acts. It was stated for the prosecution that the analyst's certificate showed the presence of 16 gr. of potassium bromide to a fluid ounce, whereas the prescription required 30 gr. of ammonium bromide to a fluid ounce. For the defence, Mr. H. Rickard, assistant with Mr. Netten, stated that he read the prescription as potassium bromide, and before making it up wrote the word potassium in full on the prescription-form for repeat purposes. His reading of the prescription was also responsible for the addition of the extra water, which reduced the proportion from 30 gr. to 16 gr. per oz. The Bench were satisfied that the prescription was dispensed as it was read, and dismissed the summons.—At the same court, Mr. Frederick Alfred Roper, Ph.C., Salisbury Road, was similarly summoned for dispensing a prescription containing not more than 11 gr. in place of 20 gr. of potassium bromide to a fluid ounce. For the defence, it was stated that the mixture was made up by an assistant originally employed by Mr. Roper a few years ago, when the strength of his dispensing-solution of this bromide was one in two. It had since been altered to one in four, and the assistant was not aware of the change. A fine of 10s. was imposed.

New Company.

S. C. SYNDICATE, LTD. (P.C.).—Capital 1,500. Objects: To enter into an agreement with Trivalin, Ltd., for the sale to the company of certain patents, trade-marks, and goodwill, and an agreement with the Saccharin Corporation, Ltd., granting to the Saccharin Corporation, Ltd., an exclusive licence to manufacture and sell Trivalin and Trivalin preparations in the United Kingdom, Isle of Man, British Colonies, Dependencies and Possessions, to chemists and druggists, oil and colour men, etc. R.O., 36-37 Queen Street, London, E.C.

Births.

BAYNES.—At Pembroke Nursing Home, Clifton, on September 22, the wife of Edward S. Baynes, chemist and druggist, 29 Cotham Road, Bristol, of a daughter.

CLARK.—At 5 Pennard Road, Shepherd's Bush, London, W., on September 24, the wife of Stephen Francis Clark (Boots, Ltd.), of a daughter.

SAMWAYS.—On September 24, the wife of Ernest R. Samways, pharmacist, 213 St. Albans Road, Watford, of a son.

Marriages.

CHAMBERS-CORRY.—At the Trinity Presbyterian Church, Letterkenny, on September 4, by the Rev. Ross Millar, Robert Laird Chambers, Ph.C., The Central Pharmacy, Lisburn, to Mary Wilson Corry, Ph.C., only daughter of the late Mr. William Corry, Bohul, and of Mrs. Corry, Scotch House, Letterkenny, co. Donegal.

JOLLY-BREAR.—At the Westgate Baptist Church, Bradford, on September 23, William Isaac Jolly, chemist and druggist, son of the late Mr. Alfred Jolly, to Alice Maud, youngest daughter of Mr. James Brear, Cliffe Terrace, Manningham.

JONES-JONES.—At the Tabernacle C.M. Church, Bangor, on September 21, by the Rev. H. H. Hughes, William Richard Jones, chemist and druggist, 81 Garth Road, to Katie Foulkes Jones, Bro Dawel, Bangor.

POOTS-BARBOUR.—At the First Holywood Presbyterian Church, on September 17, by the Rev. D. Palmer, B.A., Cloughley, J. Martin Poots, Ph.C., Rockburn, Newtownards, to Kathleen Maude, eldest daughter of Mr. Robert Barbour, Lisnatoore, Dumbarry.

STOOKE-SPEAKMAN.—At the Baptist Tabernacle, Gillingham, Kent, on September 21, by the Rev. Anderson Miller, Arthur Stooke, L.D.S., pharmacist, Gillingham, to May M., widow of the late Mr. J. T. Speakman, Tonbridge.

TYNAN-JORDAN.—At St. Mary's Roman Catholic Church, Newtownbarry, on September 11, by the Rev. R. Gaul, assisted by the Rev. Aidan Forrestal, Christofer S. Tynan, Ph.C., to Mary, daughter of the late Mr. Thomas Jordan, Newtownbarry. No cards.

Deaths.

CRANE.—At Brompton Hospital, London, S.W., on September 3, Mr. John Hammond Crane, chemist and druggist, aged sixty-six.

GORDON.—At 2 Banbury Road, Oxford, on September 12, Frances Anne Templeton, widow of the late Mr. Robert B. G. Gordon, Braemar, and mother of Miss A. F. Gordon, chemist and druggist. The interment took place at Braemar on September 17.

YOXALL.—At Belfast, on September 22, Mr. Arthur Yoxall, son of the late Mr. Henry Yoxall, and brother of Mr. J. G. Yoxall, Ph.C. (Grattan & Co., Ltd., chemists, Corn Market, Belfast).

Died on Service.

BATE.—Lance-Corporal P. Bate, South Wales Borderers, has been killed in action. In civil life Lance-Corporal Bate was with Joseph Crosfield & Sons, Ltd., Warrington.

BAYLISS.—Private H. W. Bayliss, Royal Fusiliers, has been killed on service. Prior to joining the Army Private Bayliss was with W. Canning & Co., manufacturing chemists, Great Hampton Street, Birmingham. He leaves a widow.

BECKETT.—Rifleman Leonard Beckett, King's Royal Rifle Corps, has died while a prisoner of war. Rifleman Beckett enlisted, on the outbreak of war, from the staff of F. Kendall & Son, Ltd., manufacturing chemists, Stratford-on-Avon.

BENNETT.—Private S. A. Bennett, Machine Gun Corps, has been killed on service in France. Prior to joining the Army Private Bennett was with Evans Sons Lescher & Webb, Ltd., Liverpool.

CROSS.—Corporal Ernest Llewellyn Cross, Manchester Regiment, was killed on service in France on March 23. Corporal Cross, who was a cousin of Alderman W. Gowen Cross, Ph.C., Shrewsbury, passed the Qualifying examination in January 1901. He was drafted to France only two days before his death.

CURRIE.—Private Adam Currie, Scots Guards, was killed in action on August 23. Private Currie, who had been at the Front for upwards of three years, was a nephew of Mr. Archibald Currie, Ph.C., Leith, and of Mr. A. D. Currie, chemist and druggist, Leith.

DAVIS.—Lance-Corporal Frank R. Davis has been killed in action. Prior to joining the Army Lance-Corporal Davis was with Joseph Crosfield & Sons, Ltd., Warrington.

FOX.—Pioneer C. J. Fox, R.E., has died of wounds received on service. Prior to joining up in May 1916 Pioneer Fox was with his father, Mr. C. J. Fox, chemist and druggist, Rainsgate.

JACKSON.—Private James Jackson, South Lancashire Regiment, has been killed in action. In civil life Private Jackson was with Joseph Crosfield & Sons, Ltd., Warrington.

JONES.—Private E. T. Jones has been killed in action in France. Prior to joining the Army Private Jones was with Boots, Ltd., at their branch at Regent Street, Wrexham.

PALMER.—Private Charles Stanley Spence Palmer, Canadian Forces, was instantaneously killed by shell-fire at the Western Front on September 2, aged twenty-two. Private Palmer, who was the second son of Mr. J. Spence Palmer, pharmacist and dental surgeon, Thornbury (Glos.), enlisted in Canada at an early stage of the war, and was wounded in the Somme battle. He returned to England in October 1916 for a time, and after his recovery was sent back to France. His lieutenant and the regimental chaplain have written most sympathetic and eulogistic letters informing his parents of the circumstances of his death. Widespread sympathy with the bereaved family has been manifested in Thornbury and the district.

PIPER.—Private Spence James Piper, Royal West Kent Regiment, died on August 29 of wounds received on service. In civil life Private Piper was with Miller & Co., chemists, Tunbridge Wells.

RUDKIN.—Private S. Rudkin has died from wounds received on service. Prior to joining the Army Private Rudkin was an apprentice at the Hopo Street, Crook, branch of Taylors' Drug Co., Ltd.

WATERWORTH.—Private David Waterworth, Royal Welsh Fusiliers, has been killed in action. Private Waterworth, who in civil life was with The Nichols Chemical Co., Ltd., Baxenden, had been for three months at the Front.

WILSON.—Private George Wilson, Rifle Brigade, was killed on service in France on September 15, aged nineteen. Prior to enlistment Private Wilson was with Mr. J. Pattinson, Ph.C., Aspatria.

Wills.

MR. JOHN YOUNG.—analytical chemist, 2 Montague Terrace, Kelvinside, Glasgow, who died on January 26, has left personal estate of the value of 104,307l. 9s.

MR. HARRY BROADBENT.—F.I.C., F.C.S., 9 Bainbridge Road, Leeds, who died on July 25, left estate valued at 3,891l. 2s. 4d. gross, with net personality 3,411l. 1s. 11d.

LIEUTENANT REGINALD HARDY PLATTS.—Ph.D., R.G.A., 65 Palewell Park, East Sheen, Surrey, who died on May 31, left estate of the gross value of 16,085l. 8s. 5d., of which 15,952l. 8s. is net personality.

MR. ANTHONY GREAVES MILNER.—chemist and druggist, 24 and 26 New Cross Street, Bradford, who died on June 11, left estate of the gross value of 9,962l. 14s. 8d., of which 3,455l. 18s. 9d. is net personality.

MR. JOSEPH JENNINGS WHARMBY.—chemist and druggist, St. John Street, Mansfield (J. J. Wharby & Sons, wholesale chemists), who died on June 4, left estate valued at 3,783l. 11s. 10d. gross, with net personality 2,422l. 9s. 9d.

MR. WILLIAM HAYES.—Ph.C., Edmundstow Park, Dublin, who died on July 29, left personal estate in the United Kingdom valued at 14,731l. 13s. 7d., of which 3,830l. 8s. 6d. is in England. The testator left 1,000l. to his son William, 1,000l. to his wife, 1,000l. to his son Reginald, certain stocks and shares to his wife, and his interest in his residence, 188 shares in Hayes, Conyngham & Robinson, Ltd., to his son William, and 187 such shares to his son Reginald, and the residue of the property as to one half to his wife and one half to his son William.

APPROVED GERMAN TOBACCO-SUBSTITUTES.—The Bundesrat, under date August 15, has approved the use under permit by tobacco manufacturers of pear, apple, walnut, hazel-nut, and Jerusalem-artichoke leaves as substitute materials in the manufacture of tobacco products and goods similar to tobacco.

Personalities.

MR. J. LLOYD-JONES, chemist and druggist, Blaenau Festiniog, has been appointed a Governor of the Blaenau Festiniog County School.

Mrs. PARRY, wife of Mr. D. H. Parry, chemist and druggist, Harlech, has been appointed Hon. Secretary of the Harlech District Nursing Association.

MR. W. S. TAVENER, chemist and druggist, High Street, Guildford, has accepted the Guildford Town Council's invitation to take office as Mayor for the coming year. Mr. Tavener has been a town councillor for eight years.

COLONEL WILLIAM R. SMITH, R.A.M.C., M.D., D.L., was on September 26 presented at Apothecaries' Hall, London, E.C., with a shrieval chain, he being a Sheriff-elect of London for 1918-19. Colonel Smith, who has recently returned from a visit to the Italian Front, has had a distinguished career as lecturer, public analyst, and civic administrator, and has edited standard text-books.

MR. C. C. GRAHAM, F.I.C., F.C.S., Mayor of Scarborough, has accepted a unanimous invitation to become Mayor for the sixth year in succession. Mr. Graham was for several years technical chemist to Blundell, Spence & Co., Ltd., Hull, and subsequently joined the company as a director. During his seventeen years' residence in Hull he became interested in other business enterprises. He retired fourteen years ago.

COUNCILLOR WILLIAM BRIGGS, pharmacist, Mayor of Lancaster, has accepted an invitation to continue in office as Mayor during the coming year. Mr. Briggs, who has retired from business, is now Mayor-elect for the sixth year in succession. He has been actively associated with local public affairs for the past thirteen years. His only son, Captain W. Noel Briggs, King's Own (Royal Lancaster Regiment), has been wounded in France on three occasions.

MR. CHAS. E. DIGGES, Ph.C., Sandford Medical Hall, Ranelagh, Dublin, who has been co-opted a member of the Council of the Pharmaceutical Society of Ireland, is the son of the late Dr. W. H. Digges, J.P., who was for many years a director of Hamilton, Long & Co., Ltd., Dublin. Mr. Digges served his apprenticeship with the late Mr. J. I. Bernard, M.P.S.I., Price's Medical Hall, 26 Claro Street, Dublin, and was afterwards an assistant with the late Dr. Jackson, 126 Stephen's Green, and with Anderson & Adams, 68 Grafton Street. He passed the Final examination in January 1905, and opened his present establishment the same year. Mr. Digges has been for many years pharmacist to the Richmond, Whitworth, and Hardwicke Government Hospitals, Dublin, and is a well-known member of Committee of the Dublin and Provincial Retail Drug Association.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," Sept. 25, 1918.)

- "**VERTOX**"; for fertilisers and insecticides (2). By W. Cooper & Nephews, Maryhill, Glasgow. 383,631.
- "**THE AIDALL CHEMICAL CO., LTD.**"; and device ("Aidall" disclaimed); for all goods (2). By The Aidall Chemical Co., Ltd., 401 Eden Grove, Holloway, N.7. 384,351.
- "**VOLFECTANT**"; for a disinfectant (2). By W. Nall, 41 Dale Street, Milnrow, Lancs. 384,541. (Associated.)
- "**MERITAL**"; and device of three Army stripes; for medicinal chemicals (3). By Wigglesworth, Ltd., Peel Street, Westhoughton, Lancs. 383,951.
- "**MOSQUITOFLY BRAND INSECT REPELLING PREPARATIONS**"; for insect-repelling preparations (3). "SANOS" and "ROUGERETTE"; for perfumery, etc. (48). By The Standard Tablet Co., Ltd., Hove. 384,173 615.
- "**CIRCOID**"; for medicinal chemicals (3). By J. G. Robbins, 130 Romford Road, Stratford, E. 15. 384,554.
- "**SUNRISE CREAM**"; for pyrophosphate of soda (42). By The Weaver Refining Co., Ltd., Acton Bridge, Cheshire. 382,435.
- "**DIANA**" and "**IDIOL**"; for food substances (42). By G. McDonald & Co., 9 Botolph Lane, Eastcheap, E.C. 3. 384,453/675. (Associated.)
- "**CHOCOLOX**"; for food substances (42). By Sarah J. D. Shaw, 10 Moreton Gardens, London, S.W. 5. 384,562.
- "**CARILLON**," "**INSOUCLANCE**" and "**SYRINX**"; for perfumery, etc. (48). By J. & E. Atkinson, Ltd., 24 Old Bond Street, W. 1. 384,871/872/917.
- "**ASCADOPRE**"; for waterproofing compounds (50). By Agar & Sarll, 8 and 9 Sherwood Street, W. 1. 384,352.

Trade Notes.

SPRING'S HONEY.—Spring & Co., Ltd., Brigg, are honey specialists. The brands they pack include "Heather" and "White Clover."

LYSOL BOTTLES.—Lysol, Ltd., Crayford Mills, Wartom Road, Stratford, London, E. 15, ask chemists to collect and return empty lysol bottles, for which Lysol, Ltd., will pay.

CHOCOLOIDS.—The Chocoloid Co., Stirchley Laboratories, Birmingham, call attention to the fact that the profit on Chocoloids is 46 per cent. The company's advertisement is printed in this issue.

POND'S SPECIALITIES.—Geo. P. Pond & Son, Ltd., 68 Fleet Street, London, E.C., inform us that the prices of Pond's Areco will be increased to 1s. 6d., 3s., and 4s. 6d.; and Pond's Arthriticus to 2s. 6d., all face-values.

GLYCERIN SUBSTITUTE.—Mr. R. J. Reuter, 69 Carter Lane, London, E.C. 4, is advertising in this issue a solidified toilet-glycerin substitute under the trade-mark "Phrynette." It is put up in attractive push-up tins, and is a good line for winter trade.

QUIN-QUENNA BONUS.—Thomas Christy & Co., 4, 10, and 12 Old Swan Lane, Upper Thames Street, London, E.C. 4, are giving a bonus of 1 doz. Quin-Quenna with every 6 doz. purchased. Particulars are given in the firm's advertisement in this issue.

ASTRAL DISPLAY STAND.—A. F. Corbett & Co., 151 High Street, Harborne, illustrate in their advertisement in this issue the Astral display stand, which has been devised with a view of saving time in window-dressing. Illustrations of the stand, which has glass shelves, and prices are given.

SANATOGEN PRICES.—Genatosan, Ltd., manufacturing chemists, 12 Chenies Street, London, W.C. 1, advise us that the retail prices of sanatogen (genatosan) are to be increased as from October 1 as follows: 9s. 6d. size to 10s. 9d.; 5s. size to 5s. 9d.; 2s. 9d. size to 3s. 3d.; 1s. 9d. size to 2s. 3d.

SPIRIT STOCK-BOOK.—Jas. Townsend & Sons, chemists' printers, Exeter, have sent us a copy of a spirit stock-book which they publish. The book, which sells at 3s. (post free), is ruled so that all the particulars are given which are required to substantiate claims for repayment of spirit-duty on medicinal preparations.

MEND-A-TEAR.—The Leicester Rubber Co., Ltd., 18 Granby Mills, Leicester, have ready a new showcard. The card has attached to it a small piece of cloth which has been "jagged" in two places. One of these jags has been left in its original form, but the other has been mended with "Mend-a-Tear," such repair illustrating very clearly the usefulness and effectiveness of this new material. The present increased price of new clothes and the imperative need for economy on the part of all members of the community are good reasons why chemists should take up "Mend-a-Tear" at the present time.

MARTINDALE'S LIST.—The October price-list of W. Martindale, 10 New Cavendish Street, London, W. 1, contains about 5,000 items, among them being many new lines. Opening the list at p. viii, we found a list of wound-dressings, among them being all the new antiseptics which military surgery has brought forth. Colloidal metals are interestingly explained, and hints given as to their uses and administration. Organic antimony compounds, which are at present receiving attention as succeedanea to arsenic preparations, are offered in several varieties. A special feature of this house is the supply of organic compounds hitherto imported from Germany. Chemists who have not received a copy of the list should write for one.

Information Department.

INFORMATION WANTED.

| | |
|----------------------------|----------------------------|
| 184/9. "Zero" razor-blades | 182/11. "Globe" ear-phones |
| 182/12. "Omniform" | makers |
| 182/23. "Voxine" | 182/23. "Terrol" |
| 182/20. "Trilene" | |

INFORMATION SUPPLIED.

| | |
|---------------------------------|--|
| Abbey's Fruit Salts, 181/12 | Papier maché containers (for malt, etc.), 167/40 |
| Adhesive plaster, 176/58 | Perfumerie Ed. Pinaud, agents, 176/52 |
| Chemists' overalls, 177/60 | Corking machines, 177/32 |
| Ibogaine, 176/71 | Shaving blocks, antiseptic, 176/74 and 180/19 |
| "Imperial" dental cream, 161/13 | Soap-boxes, 167/14 |
| Midwifery bag outfits, 180/3 | Sodium benzoate, 172/28 |

Observations and Reflections

By Krayser IL

The War Auxiliary Benevolent Fund

deserves and will doubtless receive liberal support, but the appeal made by the Society on its behalf is open to serious criticism. We are told that it is a separate Fund for special, and largely for new, purposes, but emphasis is laid upon its auxiliary character, and the fact that in part it is intended to relieve the old Fund. This is very well, but there ought to have been some indication of the manner, order, and proportion in which the new Fund will be distributed between the old and the new class of claimants upon it. Which is to have the first consideration, and who is to decide between them? Nothing is said as to the administrators of the Fund. Without reflecting at all upon the administration of the old Fund, I submit that, in face of its immensely larger scope and the entirely new conditions and purposes, the administration of the new Fund ought to be in the hands of a larger and more directly representative body than a Committee of the Council. Another omission I note is that of any reference to the reduction of examination fees to demobilised students. This is a sort of relief that is entirely in the Society's own hands, and in asking members to make some considerable personal sacrifice it ought to set an example by some sacrifice of its own fees. I do not wish to be hypercritical, much less to prejudice this appeal in any way, but there is one clause in it that, if it is not mere rhetoric (savouring a little of cant), seems to limit the appeal rather curiously. How many of us can with perfect sincerity say, "We have been denied the high honour of making the personal offering of substance and service"? What about those of us who have done our best to avoid making it?

Jay Mack's "Practical Pharmacy Course"

is another fascinating book that has not as yet "got itself written." We can only chortle over its chapter headings. Some of these are a little "steep"; irony is a mild term for Jay Mack's wit—it is a very robust sort of irony, anyhow, that addresses parents in Chap. 1, but perhaps this is only the "bluff" of an inspired window-dresser. In Chap. 2 there is a sense of the tears in mortal things. "Ah!" sighs the pharmacist as he reads, "if only one had the possibility of such a choice of fit persons—if only! But no; it is a 'dream too sweet, too bitter-sweet.'" Retrospectively I weep again over Chap. 7—The Shop Library. Not such, O Apollo! the bookshelf of my 'prentice days—the B.P., Squire, Beazley, the Selecta è Prescriptis: "the rest is silence." In Chap. 11 we are on more familiar ground—good solid earth this, at any rate—the wrong change, the irresponsible cork, the drug inspector, the drunken customer, the lost keys—oh, d—! I must apologise for my excited style; Jay Mack is to blame: he promises me a pie with four-and-twenty blackbirds in it; what wonder that my fingers itch to break the crust?

In Response to my Note

on Federation it has been said to me that all chemists ought to feel themselves "bound in honour" to be on the Insurance panel. I have from the very first urged this duty as a matter of loyalty, but the fact remains that all chemists are *not* on the panel, and until they are my argument in favour of the Association unit holds good, and I see no reason to hope that men who are so blind to their own material interests as many chemists are will be much moved by such sentiments as honour and loyalty. Let me give an instance of this blindness. One of the leading chemists in a seaside town was asked the other day by a friend of mine for the loan of a certain publication. A pile of these was offered him—all unopened! In conversation it transpired that this chemist was unacquainted with the Order regulating the sale of phenacetin, etc. Now, the merit of the local Association is that it promotes such intercourse between pharmacists as renders ignorance of this kind almost impossible.

The Title "Pharmacist"

as a substitute for "Chemist," has been objected to on the ground that it is sometimes ignorantly supposed to have some connection with farming. I should be sorry to see it officially substituted for our older designation, but this particular objection is about as reasonable as it would be to change the name of the British Pharmacopoeia because—a fact for which Mr. J. J. Hissey vouches—that work has been asked for under the title of "The British Farmer in Caprera." If we can't educate the public to the extent of enabling them to distinguish between things so radically different, we are poor creatures indeed and any title is good enough for us. The real objection to "pharmacist," as a substitute, is the fact that the Society has not secured for us the protection of the term "pharmacy." I repeat once more, and I am glad to find this demand echoed in the correspondence columns of the official organ, that we must insist upon the restoration to all registered persons of the title of "Pharmaceutical Chemist."

It is Satisfactory to Know

that the arithmetical acumen of our official leaders (such as it is) is being directed to the financial problems which confront us in the near future. We are told that it has been "computed that, assuming that there are 11,000 chemists in business in England, Wales, and Scotland, 5/- from each chemist would bring in [to the War Auxiliary Benevolent Fund] 55,000/-." Who the mathematical genius is that has made this stupendous calculation I do not know, but I congratulate him upon the result. Is it too much to hope that when he has recovered somewhat from the mental effort involved, he will turn his attention to the general finance of the Society, beginning—may I suggest?—with the L.A.E. accounts and their relation, if any, to the general account?

Sir Theodore Mayerne,

who did so much for the Apothecaries' Company and our first Pharmacopœia, and who helped so largely in the conciliation of Galenists and Paracelsians to which Shakespeare refers in "All's Well that Ends Well," figures in the Verney Memoirs as a Court physician *par excellence*. When in 1641 Queen Henrietta Maria wished to take the Spa waters she was opposed by Parliament, which, suspecting some political motive, alleged that her illness was feigned, and deputed Mayerne to examine and report upon her condition. He would, as Lady Verney says, have been a poor specimen of his class could he not have found some disease in a patient who so greatly desired it, but his report was a model of diplomatic diagnosis. "The Queen (he said) is sick in body and in mind, and *thinks* shee cannot recover"; "she must be out of reach of all imployments that may disturbance her"; "shee believes she is very ill"; "shee hath a greate oppinion of the Spaw water"; "waters have twice down her good and Spaw water is better than the best water in England"; and so on; with a recommendation that she should have permission to go, as, in any case, "change of aire would do her good." The Commons, however, would not allow it, and her Majesty had to get better without the "Spaw's" help. No wonder that Sir Theodore prospered in his profession. We are told in these Memoirs that his daughter was reported to be "the greatest Marriage in England."

BRAZILIAN MONAZITE.—The Brazilian Government is asking for bids for leases to mine and export the monazite sand which is found almost exclusively on the sea-shore.

INDIA AND THE FAR EAST have been visited by the so-called Spanish "flu," and the chemists' shops in Calcutta and other large cities have been besieged by sufferers. In Singapore it has chiefly affected the Chinese.

KINGZETT'S "CHEMISTRY FOR BEGINNERS."—This little work, which Mr. C. T. Kingzett, F.I.C., produced in 1916, has now passed into a third edition (Baillière, Tindall & Cox, 2s. 6d.). The opportunity has been taken to add a new part dealing with chemical apparatus and experiments, thus enhancing the value of the work. The book now contains eighty-one illustrations. It is a capital first book for a boy or girl with the chemical instinct, and that it is appreciated is borne out by experience.

3rd ENLARGED EDITION.
With 81 Illustrations.

CHEMISTRY FOR Beginners and School Use

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(*Past Vice-President, Society Public Analysts, &c.*)
Chairman of the "Sanitas" Co., Ltd.

In this (3rd) Edition of his valuable book, Mr. Kingzett has adopted what is essentially a new method of teaching practical chemistry. This is obviously the rational method, and the new part of this book, embracing 60 pages with 81 illustrations, makes it the most perfect book on Chemistry for Beginners and School use yet produced.

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HAE MORRHODS

A NOTE TO CHEMISTS.

Hæmorrhoids are caused by the disordered functions of the system which cannot be corrected by external remedies.

Evidence, which we can produce in confidence from Chemists and others who have suffered, fully prove that a cure has been discovered, and that the recommendation of "Pylitna" Powders is completely justified.

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B.P. Tinctures and Syrups.

FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

Ointment-bases.

RECENTLY the Pharmaceutical Society issued suggestions for preparations to be used in place of fats and oils in the manufacture of ointments, etc. Under the name "Adeps factitius" a compound containing 5 per cent. of wool-fat in a mixture of hard and soft paraffin is put forward for use in place of lard. The name is translated officially as "Lard substitute," but *factitius* means "artificial; done or made by art." The name and the translation appended are equally inapplicable, and the compound put forward cannot, we think, claim in any sense to fulfil the purpose for which lard is used in ointments. The question of the absorbability of ointments is involved in the case of those with a lard base. A good deal of attention was given to the question a few years ago, and there seems no doubt that lard is the most absorbable of the fats generally used in making ointments. Professor Wild, of Manchester, had a good many experiments carried out a few years ago, with the assistance of two well-known pharmacists, one of them Mr. Jas. Grier, M.Sc., as a result of which different bases were recommended for ointments classified as protective, emollient, and absorbent. Paraffin was shown to be non-absorbable, and to be in consequence the ideal base for protective ointments. It is, however, quite unsuited for those ointments where emollient or absorbent qualities are the objects in view. We should be very interested, therefore, to have an account of the physiological experiments which have shown that 5 per cent. of wool-fat converts mixed paraffins into an absorbent base. If the hydrous wool-fat had been used better results might have been expected, but, even then, the amount employed is, in our opinion, quite inadequate as a substitute or artificial lard. Another point to which we wish to call attention is the doubtful legal position. Notwithstanding the belated patronage of the Home Office Advisory Committee, to which we referred last week, we have little hesitation in saying that a basis containing 5 per cent. of anhydrous wool-fat does not meet the conditions laid down in the "Gazette" notice of March 29 by the General Medical Council, and therefore cannot be used by chemists as a substitute for lard in prescriptions. The official notice stated:

In the United Kingdom, wool-fat, or hydrous woolB wool-fat, singly or together, with such addition (if any) of hard paraffin, liquid paraffin, soft paraffin, paraffin ointment, white beeswax, yellow beeswax, or any combination of these, as may be necessary to impart a proper colour and consist-

ence to the product, may be employed in making the official preparations for which prepared lard, or prepared suet, is directed to be used; but the official proportion of the active ingredient must in all cases be maintained.

This certainly does not contemplate a preparation in which wool-fat plays an insignificant part, as it does in the recipe put forward by the Pharmaceutical Society. Water is essential in lanolin ointments if these are to fulfil the absorptive properties of lard, and we suggest the use of hydrous lanolin 1 part, soft paraffin 3 parts. The type of ointment-base known as *parenol* is excellent. This base contains :

| | | | |
|------------------------|-----|-----|-----|
| Soft paraffin | ... | ... | 65 |
| Wool-fat (anhydrous) | ... | ... | 15 |
| Distilled water (warm) | to | | 100 |

As illustrating modern practice in prescribing ointments we give the following formulas, the excellence of which depends in a great measure on the scientific adjustment of the ingredients :

Ointment for Mustard-gas Burns.

| | | | |
|--------------------------------------|-----|-----|------------|
| Resorcin, | | | |
| Menthol | ... | ... | aa. gr. x. |
| Tere ut liqueface et addo sec. art.— | | | |
| Zinci oxid | ... | ... | 5j. |
| Amyli | ... | ... | 5j. |
| Vaselinii | ... | ... | 5iij. |
| Lanolini | ... | ... | 5ij. |

Ointment for Reducing Glandular Enlargement in Goitre.

| | | | | |
|----------------|-----|-----|-----|----|
| Parenol | ... | ... | ... | 35 |
| Parogenum | ... | ... | ... | 5 |
| Potass. iodidi | ... | ... | ... | 4 |

Misce.

Eczema-ointment.

| | | | |
|--------------------|-----|-----|-------------|
| Phenol, | | | |
| Camphor. | ... | ... | aa. gr. xv. |
| Misce et adde— | | | |
| Sulph. precip. | ... | ... | gr. xx. |
| Ac. salicyl. pulv. | ... | ... | gr. x. |
| Adipis lanæ hydr. | ... | ... | 3ij. |
| Vaselin. flav. ad | ... | ... | 3j. |

Parogenum, referred to in the goitre-ointment, is a mixture of liquid paraffin 40, oleic acid 40, and alcoholic ammonia (5-per-cent.) 20, shaken together until clear. It is also known as vasolimentum. The ammonium oleate confers on paraffin excellent penetrative power.

Turpentine and Resin.

THE position of both these products has claimed no little trade attention again lately. The recent lowering of the official maximum price of oil of turpentine by 15s. per cwt. to 105s. net ex wharf London does not really mean that easier conditions are anticipated in the matter of supply, and it is presumably partly due to the American price being still materially below the highest "record" figure of 75 cents which was touched some time ago. Another reason for the adjustment here is possibly freight consideration, for which liberal allowance was made in fixing the former official quotation of 120s. per cwt. In regard to current supplies, the outlook is certainly stringent as indicated by the recent official warning as to a more close observance of the regulations since attempts were made to trade without the necessary licences. The authorities in any case seem determined to keep a firm grip on the limited reserves held in the country. The statement, too, that the allocations of the genuine article to consumers for a period of four months must be equally divided between American and French spirit would seem to imply that the outgoings will be kept down as much as possible, as the supply of French turpentine is very small. On the other hand, the resort to the use of substitutes such as mixtures of petroleum spirit and Russian spirit, which are obtainable at considerably less money, should tend to assist needy users. The home stocks all told are very small indeed compared with what they were in pre-war times. Their conservation as far as possible is thus imperative until arrangements can be made for additional imports to relieve the situation later. The current price of American spirit is not far short of double that seen about a year ago, but will probably remain at well above 100s. for some months, although the American position is rather involved and

uncertain, as emphasised by the recent sharp ups and downs in the price between 75 and 60 cents per gal. The attitude of the U.S. Government, moreover, has to be kept in view, while it is understood that the War Industries Board have been making investigations into the matter of supplies of "naval stores" presumably with the idea of establishing an effective control over the industry's operations, although dealers do not seem to regard this seriously. Should Washington fix a price, this might perhaps affect the position on this side; shipping costs, however, are very high. It is somewhat peculiar that turpentine and resin have seldom in the past moved in sympathy. Recently, however, the huge rise in resin would seem to have proved rather contagious in regard to turpentine spirit. Yet the latter has a long way to go ere it breaks into the highest recorded level. Not long ago, the New York price of turpentine, after touching 75 cents, collapsed rather suddenly to 60 cents, although more than half the setback was subsequently made good. Interested parties suggest that it will again rise unless speculation is stopped by Government action. The Southern markets seem pretty confident, speculators there being almost indifferent so far to the rumours of Washington price-fixing, as indicated by the sensational jumps in other highly speculative counters especially raw cotton. In fact, the talk of price-fixing has often been seized upon as an excuse for inflating markets recklessly. The position of turpentine is certainly not invulnerable, although future developments may become affected by the progress of the receipts from producing points, which may shrink considerably as forecasted by trade interests. At the same time, American consumers are resisting abnormally high prices while the market is usually regulated by the progress of the domestic consumption and exports combined. Recent experience goes to show that there is a limit to inflation inasmuch as the Washington authorities even hinted that the genuine article might be dispensed with by the resort to substitutes if the price is unduly inflated. There is rather an acute scarcity of resin in the United Kingdom, this applying to both American and French descriptions, but Government prices have remained at 55s. to 57s. 6d. for American according to grade, as originally fixed when the market was taken under control. Just prior to this, American resin on the spot had reached over 64s. per cwt., thus indicating an appreciation of about 600 per cent. in a comparatively short space of time. Shipping restrictions and an excited demand obviously accounted for this alongside of speculative buying. There has been a rapid rise across the Atlantic in recent months on aggressive buying regardless of possible Government regulations of supplies and prices. Labour costs have risen considerably, but conservative critics contend that this has been discounted sufficiently by the recent big advance. In fact, the rise is regarded by some as grossly unwarranted through excessive speculation. In any case, the position is distrusted although there are no indications of weakness apparent. The fact that current prices in America show holders a big margin of profit is not necessarily a strong feature. The wild rise in the second half of last month especially affected high grades. The higher working costs and the falling-off in production no doubt had an effect, and the market is being worked to a nicely while consumers have been scared. Owing to lack of transport, the Canadian takings from the United States this year, according to Ontario reports, have been curtailed, but supplies are now more carefully conserved owing to the shortage. Canada is a large consumer, her imports in recent fiscal years having run into about 22,000 casks per annum.

According to recent advices, French producers of resinous products have become seriously hampered in their operations under the Government regulations—so much so that an interruption of working is threatening unless action is taken by the authorities to avert this. Repeated attempts have been made by the representatives of the industries to induce the Government to take steps to relax the restrictions in the way of permits, the issue of which incurs apparently unnecessary delays through bureaucratic methods, delays resulting in unsold stocks accumulating in manufacturers' warehouses, causing much irritation, while consumers' needs are pressing.

War Auxiliary Benevolent Fund.

SOME criticism has reached us in regard to the Pharmaceutical Society's War Auxiliary Benevolent Fund, particulars of which were given in THE CHEMIST AND DRUGGIST last week. This has been chiefly directed to the vagueness of the objects as given in the official circular. The reason for this lack of detail is that Mr. L. Moreton Parry, Chairman of the Benevolent Fund, contemplated sending out a supplementary circular. This has now been issued, and states the objects of the Fund in the following paragraphs :

- (a) Grants to the wounded, maimed, or disabled, on discharge.
- (b) Financial and other assistance to the widows, orphans, and dependents of those who have died on active service.
- (c) Financial assistance, by way of loan or otherwise, to pharmacists whose businesses, owing to exceptional circumstances, had so suffered in direct consequence of service with the Colours as to justify assistance from the Fund.
- (d) Grants (where needed as the result of service with the Colours) to students towards expenses of education (including text-books) for the Qualifying examination.

All contributions to the Fund should be made in the form of "subscriptions," so as to be immediately available for distribution, and if any surplus remain at the close of the Committee's work it would be transferred to the Benevolent Fund.

We find that in referring last week to the initiation of the Fund we did not do Mr. Skinner justice. On looking further into the matter, we note that it was in January 1917 that that Courieillor first proposed a resolution dealing with the matter. It was in the following terms :

That it is desirable for the Council to be prepared with a scheme, either by setting up a Bureau or other suitable means, to assist those pharmacists who are at present members of his Majesty's Forces to obtain fitting employment on their return to civil life, and to consider what measures are possible to ameliorate the condition of any who have been physically crippled by the war.

This motion was passed unanimously and was referred to the Benevolent Fund Committee. It still stands, as, unlike the resolution of January of this year, it has not been rescinded.

Better Pay for Insurance Dispensing.

THE demand for better pay for Insurance dispensing is based on the increased working expenses of chemists' businesses, increased capital outlay on drugs, and increased cost of living. London chemists are suggesting an increase of at least one penny per prescription, and Middlesex wants a clear 6d. per prescription over the cost of the drugs. The Local Associations Executive was to have dealt with the matter at its last meeting, although the limited notice given to Pharmaceutical Committees has not been productive of mature consideration of the subject by the Committees. We miss this year the freshening breeze which the Progressive Pharmacy Club administered to the Local Associations Executive, but perhaps the Club may still have something to say on the matter.

The Sale of Olive Oil.

THE position in regard to olive oil is bringing us inquiries from chemists who are anxious to keep within the agreement under which a certain amount of fixed oils is released for use in the manufacture of pharmaceutical preparations. The position is rather different from what it is in the case of the starches. The latter can only be used for food-purposes except under licence, whereas the olive oil may only be used in pharmaceutical preparations and may not be sold as an edible oil. Sesame oil, nut oil, cottonseed oil, and rape oil are released for similar purposes and upon the understanding that they are not to be sold for food-purposes.

The Venereal Disease Act.

THE report of the Hull Pharmacists' Association (which we were obliged to hold over last week) states that after a lecture on the Venereal Disease Act by the local medical officer of health the chemists have agreed to exhibit cards referring to the venereal clinics. We hope the Hull chemists have made it a condition of assisting in the working of the Act that the insulting references to

chemists in the official circulars given to patients should be eliminated. The Pharmaceutical Society seems afraid to raise the question with the Local Government Board or in Parliament : it is therefore left to chemists to take the matter up locally. In every case where the question is raised it should be distinctly stated that chemists insist upon the withdrawal of the offending circulars before they give publicity to the local venereal clinics.

Medicated Waters in Prescriptions.

IT is provided in the chemist's terms of service for the year 1918 that prescriptions for aromatic medicated waters are to be interpreted by the chemist as indicating the *ex concentrata* preparation, unless the prescription specifically indicates the contrary intention on the part of the doctor. As was pointed out, however, in THE CHEMIST AND DRUGGIST of March 2 last, such interpretation does not apply to aqua camph. and aqua chlorof., which are almost invariably prepared by the chemist himself, and practically never from the alcoholic solutions known as concentrated waters. So far as the aromatic medicated waters—*i.e.*, saturated aqueous solutions of volatile oils—are concerned, the rule at present in force is probably justified by the fact that distilled waters prepared strictly in accordance with the British Pharmacopœia have rarely, if ever, been used in the dispensing of medicines for insured persons. But aqua camph. and aqua chlorof. are in a different category, inasmuch as they are not officially directed to be distilled and can readily be prepared by chemists as directed in the British Pharmacopœia. Moreover, they can be so prepared at a lower cost than the *ex concentrata* waters, and when priced in accordance with a wholesale "net" price-list the chemist benefits by receiving the cost of manufacture, the Tariff prices for the B.P. waters being at least double what the *ex concentrata* waters cost. It follows, therefore, that if chemists were compelled to use aqua camph. and aqua chlorof. "ex conc." they would lose the profit they are at present making on the preparation of the waters as directed in the British Pharmacopœia. It may, of course, be contended that if the use of "ex conc." waters were made general the chemist would still be able to make the concentrated preparations, *say*, as directed in the British Pharmaceutical Codex; but this would involve a needless waste of 80-per-cent. alcohol—a serious thing at this time of national stress—while the loss of profit would not be adequately compensated for. This loss might well amount to nearly 1½d. on a 8 oz. mixture made up with aqua chlorof., and to nearly 2d. on a similar mixture made up with aqua camph. Every effort should be made to maintain the high level of dispensing as conducted in chemists' shops; it will never do to employ the slovenly methods of doctors' dispensaries. Possibly the trend which the National Health Insurance Commissioners are evincing is due to medical influence, which it is the duty of the Pharmaceutical Society to counteract as the experts in pharmaceutical matters.

CHEMICALS WANTED IN GERMANY.—Systematic reviews of advertisements appearing in German papers show that offers of chemicals are extremely rare, while the list of chemicals wanted is a lengthy one, and includes potassium bichromate, tartaric, citric, boric, and formic acids, dextrin, and waterglass.

LIQUORICE-ROOT.—In the course of inquiries in connection with the cultivation of liquorice-root in the Union of South Africa, the Department of Industries has been furnished with some interesting particulars of the history of this plant in the Oudtshoorn district. The plant was originally introduced into the district many years ago by a Dr. Pawle, who, knowing its commercial value, distributed roots to farmers. Why the cultivation of the plant was not continued, if ever properly begun, does not appear, but the fact is that it came to be looked upon by the farmers as a pest, since, when once it is established, it is very difficult to eradicate. Certain enterprising people in the district have now, however, "rediscovered" the fact that the plant possesses some commercial value; and whereas there was a time not long ago when farmers would have given the root to anyone who undertook to clear their land for them, there is now none of the root available, so the Department is advised, it having all been bought up by local firms. The price usually paid is 1d. per lb. The Acting Magistrate at Oudtshoorn states that he knows of a bijwoner who made about 60% out of liquorice during 1916.

Association Affairs.

Hampshire.—The quarterly meeting of the Hampshire Pharmacists' Association was held at the offices of the Insurance Committee, Winchester, on September 18, Mr. Davies (President) in the chair. The minutes of the June meeting were read and adopted. Replies were received from Messrs. Bilson and Woolcock to letters of congratulation sent to them (see *C. & D.*, June 29, p. 45). The Pharmaceutical Committee's report on Chemists and Military Service was received and approved. A good discussion followed the report of the Committee of the Pharmaceutical Society on Organisation, and it was resolved to support the recommendation of the Committee that the Council of the Society should be elected on a territorial basis. It was recommended that the election of all the members of the Council should take place at one time. It was unanimously resolved to support the Proprietary Articles Trade Association, and to withdraw Elliman's Embrocation from sale until further notice. The President made a very strong appeal to the members on behalf of the Belgian Doctors' and Pharmacists' Relief Fund, pointing out the miserable results of the appeal made by the Society in July. He suggested that every Association in the country should raise the sum of 100*l.* for the Fund, and that their Association should make a start. It was resolved to appeal to all pharmacists in the county for subscriptions, which should be forwarded to the Hon. Secretary, Mr. C. H. Baker, Cosham. The consideration of the War Auxiliary Benevolent Fund was left over till the December meeting.

Hull.—A special meeting of the Hull and District Pharmaceutical Association was held on September 17 to hear a lecture from Dr. Wright Mason, medical officer of health for the city, on *Venereal Diseases and the Relation of Chemists to Them.* Mr. Sherwood Selle (President) was in the chair. After recounting the symptoms of the diseases, Dr. Mason explained the provision of free treatment, and said that from the beginning of the Hull clinics the numbers availing themselves of the treatment had greatly increased. A discussion followed on the advisability of chemists co-operating by distributing literature and exhibiting placards in their shops as to the hours of attendance at the clinics, and a resolution was carried in favour of such action. A hearty vote of thanks was accorded to Dr. Mason for his lecture.—At the meeting on September 24, a letter was read from the Secretary of the Hull Branch of the National Council for Combating Venereal Disease, enclosing a draft card for exhibition in chemists' shops, as agreed to at the last meeting. The card was objected to on the ground that it was unnecessary to have the word venereal four times printed on the card, or indeed to have it on at all. The plan adopted, on the recommendation of the President, was to have pamphlets printed which could be handed to customers on application. The Council of the Pharmaceutical Society wrote appealing for the War Auxiliary Benevolent Fund. It was decided to ask for further details and the extent of the need for help. The action of the President in regard to supporting the Proprietary Articles Trade Association in the matter of Elliman's prices was endorsed. A vote of condolence was passed—the members standing—with Mr. E. Haworth Earle and the members of the family in the loss in battle of his only son. The price of malt and oil was fixed at 1*s.* 9*d.* and 3*s.* 3*d.* Mr. R. F. Jones read a paper dealing with *The Future of Pharmacy.* He pointed out that the formation of the Association coincided with the passing of the Pharmacy Act. They agreed to hold a course of twenty-six lectures, at a fee of one guinea; a botanical class, and a Latin class. In 1869 they discussed a list of dispensing charges, and laid down a fee of 1*s.* 6*d.* for an 8-oz. mixture. With regard to the education of the chemist, the lecturer was of opinion that there should be an Intermediate examination; it was a mistake to make Latin an optional subject. Mr. Selle, in opening the discussion, favoured the term pharmaceutical chemist. Mr. V. Iddon would like bacteriology added to the curriculum. Mr. Chapman gave his experience as an apprentice in 1879.

Sheffield.—A meeting of the Sheffield Pharmaceutical and Chemical Society was held on September 18, Mr. A. H. Culverhouse presiding. The Council's report, supporting 7 o'clock closing and dealing with the Elliman embroilie, was adopted. Mr. Hugo Wolff's letter on the Pharmaceutical Council meeting was read, and, after discussion, it was decided to continue the receipt and reading of Mr. Wolff's monthly communications. Mr. H. Antcliffe then read a paper on *Pharmaceutical Organisation.* He first referred to the advocacy of territorial representation by Mr. C. Thompson (Birmingham) in 1892, and by Dr. J. F.

Tocher, whose scheme was "turned down" by the Bloomsbury authorities. The advent of National Health Insurance, however, necessitated a certain amount of organisation, and a Local Associations Executive Committee was formed. While giving this body every credit for the enormous amount of work it has done, Mr. Antcliffe said it is obvious that a method which allows the election of a member whose value is unknown to 90 per cent. of the voters is unsound. He laid before the Organisation Committee in London the following scheme. The L.A.E. should consist of eight members elected by district meetings, four nominated by the Society, and two nominated by corporate bodies. These numbers were given purely for an Executive Committee, but as the Organisation Committee suggest the Council should be elected on territorial grounds the numbers could be formed from each pricing area. Of the eight elected members one should be elected from each pricing group, by area vote, and if the electorate should decide to elect a member who happens also to be a member of the Council, that should not affect the number entitled to be nominated by the Council. The Society should appoint a returning officer, who would fix up a time-table for nominations, etc. The Pharmaceutical Committee's Secretary could be used in each Insurance area to secure any nominations covered by his own Committee, then the whole of the nominations could be compiled by the returning officer and submitted to the voters on a national form, which should be issued to panel chemists through the Pharmaceutical Committee's Secretary in each Insurance area comprising the various pricing groups; but the return of the completed voting-papers should be made to the returning officer in London, who should declare the result of the voting. The expenses of the elected member should be paid *pro rata* by Committees included in the area. In case of no nominations being received from the limited companies the Pharmaceutical Council should elect two members employed by public companies. Local organisation is more important even than the constitution of the Council, because if there is real life in the local Associations no Council which is indifferent can remain long. At present, while one local Association is running strong quite a number are just alive, so that the members of the Council as elected for the whole country have very little to fear in the way of being unseated, as it is only by a great effort an indifferent Councillor is removed once he has secured a seat at Bloomsbury. Some years ago the Local Secretaries of the Society were replaced by Divisional Secretaries, who represented a Parliamentary Division, which was an ideal system provided that the local Societies took sufficient interest to secure the right men. It is obvious that in a city of the size of Sheffield one Secretary cannot possibly keep in touch with a district extending twelve miles across, so that we should revert to a modified system of Divisional Secretaries. Each town could formulate a scheme covering one Secretary for each 100,000 to 150,000 of the population. The arrangements could be agreed upon by the local Society and approved by the Pharmaceutical Society. (A sketch map showed how Sheffield could be divided.) These would be termed District Secretaries, and the Secretary of the local Society would be an *ex officio* District Secretary, who would call the District Secretaries together to be presided over by the President of the local Society, to confer on matters which it would be inadvisable to discuss in a semi-public meeting. They should be elected annually by the local Society, and in all matters of national importance they should be answerable to the Society in London, as this would give them a better standing, and in the working of the Pharmacy Acts would be more satisfactory than dealing through a third person. This is the main difference from the London scheme, which is handed down, in various stages, from Wards, Municipalities, to finally one Secretary. For the moment this may work all right with several very live men on the scene, but this has not always been the case with London, and the conditions are not on all-fours with the country. With the men so near the headquarters they naturally feel more in personal touch with the authorities than would be possible for the men working the same scheme in the provinces. The duties of District Secretaries would be to report infringements of the Pharmacy Acts, to assist the Society's officials in organisation work, particularly Parliamentary, and to whip up non-members and non-subscribers to the Benevolent Fund. A list should be supplied annually of registered men in each district with a view of a more up-to-date register being available, etc. As to the report itself, the speaker agreed with the system of dividing the country, but not with the mode of election—namely, at the Conference meetings. Each member of the Executive should be appointed in his own district, not by a vote given by the great majority, to whom the candidate's merits are unknown. Mr. Antcliffe favours an Executive Committee on the lines suggested as an independent body

from the Council, and the expenses should be met locally; the Council itself should be elected on a territorial base, after Dr. Tocher's scheme. If the expenses were paid by the party sending the delegate from the expenses provided by the Insurance Acts, meetings could be freely called when necessary without the central body having to incur a large expenditure, and very often on that account hesitating to call necessary Conferences. He believes in the return to Divisional Secretaries on a modified scale, as District Secretaries answerable in the main to the Society in London. A full scheme should be presented for consideration, as everything depends on the details of the scheme. Mr. Antcliffe deprecated the co-option of any outside body like the corporate bodies on to a Committee formed by the statutory body. It does not follow that in all parts of the country the Insurance area would give just representation to members of the Society, as the membership does not necessarily follow by the amount of Insurance work done. In any scheme adopted the linking-up of villages and small towns adjoining large cities should be provided for. Whatever scheme is adopted it should prohibit the co-option by the Council of any member to fill vacancies unless the district which is affected offers no objection, after due notice has been given, to the appointment of the unsuccessful candidate who secured the largest number of votes at the last election. On several occasions in the past resignations have been evidently held over until after the Council election, in order that a candidate to the liking of the Council may be made sure of a safe seat. After a discussion by the members, Mr. Antcliffe moved the following resolutions, which were carried unanimously: (1) "The Sheffield Pharmaceutical and Chemical Society are of opinion that the system of election of the members for the Council of the Society of Great Britain should be upon territorial grounds, and that Great Britain should be divided into twenty-one divisions, to contain as near as possible an equal number of chemists." (2) "It is the opinion of Sheffield chemists that the functions of the Local Associations, Executive Committee should remain as at present with the addition of further trade matters, but that the mode of election should be on a territorial basis, guided by the present Insurance areas. In addition to the elected members four members of the Council and two members of corporate bodies should be co-opted, and the expenses of the members attending should be paid *pro rata* by the Pharmaceutical Committees and in the case of the co-opted members by their authorities." Mr. J. T. Appleton gave notice that at the next meeting he will move the appointment of four District Secretaries. It was decided to express to the staffs of the Insurance Committee and the Pricing Bureau the thanks of the panel chemists for their efforts to secure prompt payment of chemists' accounts in the recent abnormal circumstances.

Business Changes.

THE HAM FRITH CHEMICAL CO., Romford Road, Stratford, London, E., have removed to 17-18 Bridge Road, E. 15.

THE BUSINESS of Walmsley & Son, chemists, Kingston-on-Thames, has been closed, the property having been disposed of.

MR. JOHN RICHARDSON, pharmacist, late of Hadfield, has purchased the business of Mr. H. Pollard, Bingley Road, Shipley, Yorks.

J. BROWN & CO., LTD., manufacturing chemists, Savile Town, Dewsbury, have taken over the chemical-works hitherto owned by W. Crowther & Sons, Gomersal.

MR. CLEMENT SIGGERS, chemist and druggist, has purchased the business of Mr. F. J. Sproston, 77 Abbeville Road, London, S.W. 4, who has relinquished it on account of ill-health.

MR. JOHN KEALL, chemist and druggist, West Hill, Wandsworth, London, S.W. 18, has purchased the business of Jones & Co., 5 Putney Hill, Putney, S.W., carried on for many years by Mr. L. P. Amoore, Ph.C., who is retiring from business.

TURKEY WANTS QUININE.—The Red Cross Society of Turkey is sending abroad for a supply of quinine, that of Turkey being now exhausted.

NORWEGIAN COD-LIVER OIL.—The exports of cod-liver oil from Norway during 1917 amounted to 23,299 hectolitres, against 56,010 hectolitres in 1916.

A MIXED TRADE.—In an English paper, printed and published in Bagdad, appears an advertisement from a firm that combines the business of military tailor with that of pharmacist. "European" assistants are held out as an attraction.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Bradford.—The annual report of the Pharmaceutical Committee, just issued, states that twelve meetings have been held during the past year. Certain surcharges of doctors have been made as a result of scrutiny of prescriptions by the Insurance Committee. In regard to Tariff revision, the Pharmaceutical Committee, while appreciating the advance in remuneration, are still of opinion that this advance does not by any means pay the chemist for his labour, etc. The checking of the pricing of prescriptions during the year, which had been again put into the hands of the Pharmaceutical Society's Bureau, had resulted in fairly satisfactory reports, but it was to be regretted that the balance of error was in favour of the Insurance Committee. By invitation of the Superintendent of the West Riding Pricing Bureau a deputation had visited that centre to investigate errors which had crept into the pricing, and was strongly impressed by the care taken to avoid error. It was felt that pricing might, in the future, reach such a degree of accuracy that the expense of a Central Checking Bureau might be avoided. The Pharmaceutical Service Sub-Committee had to hold only one meeting, to consider a charge by a doctor against a chemist of incivility to a patient, which charge had been dismissed. The position of chemists in regard to military service had remained practically unaltered during the year, though there were now signs of possible changes. Messrs. Holroyd, R. Day, and Junar had been co-opted on the Committee in the place of Messrs. Atkinson, Brook Parker, and Robinson, resigned. With the consent of the Insurance Committee the Pharmaceutical Committee had agreed to remain in office for a further year without re-election. Mr. D. S. Priestley has been re-elected Chairman and Mr. F. E. Burdett Secretary.

Lancashire.—Cheques for the month were despatched promptly on September 13 containing payments up to date. As these accounts covered the influenza period and the prescription-forms sent in were 77 per cent. more than during the corresponding period of 1917 the result is considered highly satisfactory, and was obtained by good organisation of the County Pricing Bureau. Since the commencement of the Bureau system Lancashire county has regularly paid to date each month.

London.—The Insurance Committee met at the County Hall, Spring Gardens, S.W., on September 26, when the Finance Sub-Committee recommended payment of accounts amounting to 94,274. 16s. 11d., which included 544*l.* 7s. 6d. for the Pricing Department and 23,273*l.* 11s. 5d. to chemists for the current year. The General Purposes Sub-Committee recommended the appointment of Mr. A. R. Melhuish as a member of that body, and stated that the Prescription-pricing Section had been re-appointed. The Pharmaceutical Committee has appointed Messrs. G. B. Barnard, J. Keall, and A. R. Melhuish as its representatives on the Pharmaceutical Service Sub-Committee. The Medical Benefit Sub-Committee has granted permission to nine insured persons to make their own arrangements for medical benefit. There are on the panel 758 persons supplying drugs and appliances, comprising 697 chemists in business, 37 in institutions, and 24 other persons.

September Drug Tariff.

The following are the alterations for September in the Drug Tariff issued by the National Health Insurance Commissioners for England and Wales:

Lower: Ammon. brom., 6*s.* 2*d.* 1*b.*; chloral hydras, 1*s.* 8*d.* oz. creosotum, 2*s.* 6*d.* oz.; phenacetin., 2*s.* oz.; pot. bicarb., 2*s.* 4*d.* lb.; pot. chloras, 3*s.* 6*d.* lb.; sodii brom., 6*s.* 10*d.* 1*b.*; sodii phosph. acid., 3*s.* 4*d.* lb.

Higher: Acid. acetic. glacial., 7*s.* 1*b.*; acid. carbolic. (detached crystals), 3*s.* 1*b.*; acid. carbolic. liq., 2*s.* 6*d.* 1*b.*; acid. citric. pulv., 4*s.* 7*d.* 1*b.*; ammon. benz. (artificial), 2*s.* 8*d.* oz.; ammon. chlor., 1*s.* 5*d.* 1*b.*; aq. dest., 9*d.* gal.; argent. nucleinas, 5*s.* 3*d.* oz.; creosot. carb., 7*s.* 2*d.* oz.; dec. sarsa. jan. co. (ex conc.), 10*s.* lb.; ext. casc. sagr. sicc., 1*s.* 3*d.* 4*d.* lb.; ext. casc. sagr. liq., 4*s.* 3*d.* lb.; ext. ergot., 3*s.* 10*d.* oz.; ext. ergot. liq., 10*s.* 6*d.* lb.; ext. glycyrrh. liq., 5*s.* 8*d.* 1*b.*; ferri et quin. cit., 2*s.* 9*d.* 1*b.*; inf. calumb. (ex conc.), 3*s.* 10*d.* 1*b.*; inf. caryoph. (ex conc.), 2*s.* 10*d.* 1*b.*; magnesia pond., 5*s.* 8*d.* 1*b.*; menthol, 1*s.* 7*d.* oz.; methyl sulphonal, 8*s.* 6*d.* oz.; oil. amygdala, 5*s.* 6*d.* 1*b.*; oil. anisi, 7*d.* oz.; oil. cajuput, 1*s.* 2*d.* oz.; oil. caryoph., 3*s.* 6*d.* 1*b.*; pepsin., 4*s.* oz.; phenolphthalein., 4*s.* 6*d.* oz.; plumbi acet., 3*s.* 4*d.* 1*b.*; pot. sulph., 2*s.* 4*d.* 1*b.*; theobrom. et sod. salic., 3*s.* 10*d.* oz.; ung. acid. boric. flav., 1*s.* 6*d.* 1*b.* Gauzes, unmedicated, 19.50*d.*

each. Lints, unmedicated, 1 oz. 5.50d., 2 oz. 10.00d., 4 oz. 19.50d., 8 oz. 33.00d., 1 lb. 66.00d.; boric, 1 oz. 3.58d., 2 oz. 6.50d., 4 oz. 12.50d.; sal alembroth, per lb. 84.00d. Cotton-wool: 1 oz. 3.33d., 2 oz. 6.50d., 4 oz. 12.25d. Ice-bags: rubber, helmet-shape, 198.00d., check, circular shape, 24.00d. each.

SCOTLAND.

August Drug-prices.

The August Tariff, recently issued, shows alterations in seventy-seven drug prices, forty-seven being increases and thirty decreases, while twelve appliances have advanced as against two decreased. A feature is the increased prices of bottles, all but two sizes being altered.

| Name. | oz. | dr. | s. d. | Name. | oz. | dr. | s. d. |
|-----------------------|-----|------------------|-------------------|---|----------|------------------|-------------------|
| Acid. acetylsal. | 1 | 10 $\frac{1}{2}$ | 0 3 $\frac{1}{2}$ | Sod. glyceroph. | 1 | 1 | 0 2 |
| Acid. benzole. | 2 | 10 | 0 5 | „ hypophos. | 0 | 9 $\frac{1}{2}$ | 0 1 $\frac{1}{2}$ |
| Acid. gallie. | 1 | 3 | 0 2 $\frac{1}{2}$ | „ phos. eff. | 0 | 4 $\frac{1}{2}$ | 0 1 |
| Acid. sulph. arom. | 0 | 6 $\frac{1}{2}$ | 0 1 | „ salicyl. | 0 | 10 | 0 1 $\frac{1}{2}$ |
| „ Ether purif. | 0 | 5 | 0 1 | Spt. ether. | 0 | 6 | 0 1 |
| Argent. proteinat. | — | 0 | 5 | „ juniper. | 1 | 4 | 0 2 $\frac{1}{2}$ |
| Calei hypo. | 0 | 8 $\frac{1}{2}$ | 0 1 | „ rect. | 0 | 10 | 0 1 $\frac{1}{2}$ |
| „ lact. | 1 | 6 $\frac{1}{2}$ | 0 3 | Syr. fer. phos. e. | — | — | — |
| Camphora | 0 | 7 $\frac{1}{2}$ | 0 1 | „ quin. et strych. | 0 | 4 | 0 1 |
| Chloramid. | 5 | 4 $\frac{1}{2}$ | 0 9 $\frac{1}{2}$ | „ tolu. | 0 | 2 $\frac{1}{2}$ | 0 0 $\frac{1}{2}$ |
| Chlorof. | 0 | 8 $\frac{1}{2}$ | 0 1 $\frac{1}{2}$ | Tab. phenacet. | — | — | — |
| Chlorof. camph. | 1 | 1 $\frac{1}{2}$ | 0 2 | „ co. | 6d. doz. | — | — |
| Collod. aceton. | 0 | 11 $\frac{1}{2}$ | 0 2 | Tinet. aeoniti | 0 | 6 | 0 1 |
| „ belladon. | 2 | 1 $\frac{1}{2}$ | 0 4 | „ benz. co. | 0 | 9 | 0 1 $\frac{1}{2}$ |
| Creosotum. | 3 | 9 | 0 6 $\frac{1}{2}$ | „ eanarth. | 0 | 7 $\frac{1}{2}$ | 0 1 $\frac{1}{2}$ |
| Ergotin. | 5 | 7 $\frac{1}{2}$ | 0 10 | „ eateevi. | 0 | 3 $\frac{1}{2}$ | 0 0 $\frac{1}{2}$ |
| Ext. bellad. liq. | 2 | 9 | 0 5 | „ chlor. et morph. | — | — | — |
| Ext. ergot. | — | 1 | 9 | „ co... | 0 | 11 $\frac{1}{2}$ | 0 2 |
| Ext. opil. liq. | 1 | 5 | 0 2 $\frac{1}{2}$ | „ einch. eo. | 0 | 6 $\frac{1}{2}$ | 0 1 |
| Ferr. amm. cit. | 0 | 5 $\frac{1}{2}$ | 0 1 | „ lavand. co. | 0 | 7 $\frac{1}{2}$ | 0 1 $\frac{1}{2}$ |
| Glyeerin. pepsin. | 0 | 10 | 0 1 $\frac{1}{2}$ | „ lobelia ath. | 0 | 8 $\frac{1}{2}$ | 0 1 $\frac{1}{2}$ |
| Hexamin. | 1 | 6 $\frac{1}{2}$ | 0 3 | „ op. ammon. | 0 | 8 $\frac{1}{2}$ | 0 1 $\frac{1}{2}$ |
| Lin. bellad. meth. | 1 | 1 | 0 2 | Ung. hydr. nit. | 0 | 6 | 0 1 $\frac{1}{2}$ |
| Lin. camph. am. meth. | 0 | 4 | 0 1 | Ung. resin. | 0 | 4 $\frac{1}{2}$ | 0 1 |
| Lin. meth. sal. co. | 1 | 2 $\frac{1}{2}$ | 0 2 $\frac{1}{2}$ | Ung. sulph. | 0 | 3 $\frac{1}{2}$ | 0 1 |
| Liq. adrenal. hyd. | 4 | 8 | 0 8 | Vin. colch. | 0 | 6 | 0 1 |
| Liq. formadie. yd. | 0 | 2 | 0 0 $\frac{1}{2}$ | Appliances.—Unmedicated lint, 1 oz. 7d.; 2 oz. 1s. 1d., 8 oz. 3s. 3d.; boric lint, 1 oz. 5d., 2 oz. 8d.; 8 oz. 2s. 5d.; sal alembroth lint, 8s. 1b., 7 $\frac{1}{2}$ d. oz.; cotton-wool, 4-oz. pkt., interleaved, 1s. 3d.; boric wool, 5s. 1b., 5d. oz.; sal alembroth wool, 5s. 1b., 5d. oz.; oiled eambr., 33 in. wide, 4s. yd.; oiled silk, yellow, 32 in. wide, 5s. 4d. yd. | | | |
| Liq. mag. carb. | 1 | — | — | Bottles.—Up to 1 $\frac{1}{2}$ oz., 2d.; over 8 oz. up to 10 oz., 3d.; 10 to 12 oz., 4 $\frac{1}{2}$ d.; 12 to 16 oz., 5d.; 16 to 20 oz., 6d.; 20 to 24 oz., 7d.; 24 oz. to 32 oz., 8d.; 32 to 40 oz., 9d. | | | |
| „ morph. acet. | 0 | 10 $\frac{1}{2}$ | 0 1 $\frac{1}{2}$ | Poison-bottles.—Over 1 $\frac{1}{2}$ oz. up to 4 oz., 3d.; over 4 oz. to 8 oz., 3 $\frac{1}{2}$ d.; 8 oz. to 10 oz., 4 $\frac{1}{2}$ d.; 10 oz. to 12 oz., 5d.; 12 oz. to 16 oz., 6d.; 16 oz. to 20 oz., 7d.; 20 oz. to 24 oz., 8d.; 24 oz. to 32 oz., 10d.; 32 oz. to 40 oz., 11 $\frac{1}{2}$ d. | | | |
| „ hydroch. | 0 | 7 $\frac{1}{2}$ | 0 1 $\frac{1}{2}$ | In the Glasgow Burgh area these prices are to be deposited by insured persons and refunded on return. | | | |
| „ plumb. sub. fort. | — | 0 | 1 $\frac{1}{2}$ | Dr. CARVER ("British Medical Journal") draws attention to the fact, well known to pharmacists, that there is no such preparation as "thyroid extract," a term often seen in medical literature, and he advocates the use in prescriptions of the B.P. preparation and designation only, "thyroideum siccum," rather than the "extract" or the fresh gland. He points out two possible sources of error: (1) Through the fact that in the official preparation the substance is presented in concentrated form, whilst in the products of some of the large commercial houses it is presented in approximately the strength of the fresh gland; (2) through the use of the term "ext. thyroidei," which indicates neither of the above preparations specifically, but leaves to the chemist the decision as to which of them shall be supplied. It is to be noted that in the B.P. 1914 the official dose of thyroideum siccum is given as $\frac{1}{2}$ to 4 gr., instead of 3 to 10 gr., as in the B.P. 1898. In neither case is there any suggestion as to how frequently the dose may be repeated, and the change introduces another factor that may contribute towards ineffective treatment. | | | |

At the Counter.

THE BABY'S HANDICAP.—In a Bromley pharmacy (257/34): Little girl: "Teething powder, please."

Pharmacist: "And how old is baby?"

Little girl (after reflection): "He aint no years yet—we aint had him long—he aint been christened yet."

A NEW ZEALAND CORRESPONDENT has contributed the following attempts: Tunica; Biblo Beans; Vermatik; Arrow-root Pills. For the last-named, Indian-root pills were supplied. The same chemist encloses a holograph order for "a box of pills like those I got before for shifting Alum."

THE SCHOOLMASTER AT HOME.—The following order (254/44), forwarded to us by Cargills, Ltd., Colombo, is considered by them a fair sample of native attempts at English. The writer describes himself as a schoolmaster.

Dear Sirs,

I shall be very much obliged and thankful if you will be kind enough to send per V.P.P. 7 grains of Musk got from a kind deer in India or elsewhere, but not the musk got from Cows and Rubber toys which would make noise if squeezed to the value of a Ruppe. Request to get me the parcel before Saturday morning.

Yours obediently,

Medical Gleanings.

Sterilisation and Preparation of Catgut.

DR. JOHN O'CONOR, Buenos Aires, gives in the "British Medical Journal" (II., 1917, p. 425) a method of producing a satisfactory sterile ligature. Raw catgut is boiled in a closed vessel in rectified spirit and ether, equal parts, for half an hour to one hour, and then removed by a sterilised forceps and placed in a glass bottle containing 90 per cent. absolute alcohol and 10 per cent. formalin. After forty-eight hours it is immersed and washed for half an hour in a basin of pure ether, and finally stored in a bottle filled with equal parts of alcohol and ether.

General Analgesia.

A NEW method of general analgesia which is being employed in military hospitals during the dressing of painful wounds consists in the administration by the mouth of a 50-per-cent. mixture of ether in liquid paraffin. Its effect is enhanced by the addition of a small amount of chloroform (3s. to 3j.). The formula used by Surgeons J. T. Gwathmey and Howard T. Karsner ("British Medical Journal," I., 1918, p. 254) is as follows:

Chloroform — ... 3s. 3j.
Ether, a. 3iiss.
Liquid paraffin a. 3iiss.

As the taste and smell are unpleasant it is recommended that the mixture be administered sandwiched between mouthfuls of port wine.

Treatment of Trench Feet.

MAJOR PHILIP TURNER, F.R.C.S., in a paper before the Medico-Chirurgical Society ("Lancet," II., 1917, p. 638) deals with a method of treating trench feet and allied conditions by Bier's method of passive hyperaemia. The treatment consists in cleansing the foot with a special soft soap containing camphor and sodium borate, then painting on a 1-per-cent. solution of picric acid in methylated spirit and wrapping up the foot in sterile gauze. Bier's treatment, which is then applied, consists in using a constricting bandage just above the knee. A Martin's elastic bandage cut in half provides a bandage of about the right length and strength. The bandage is kept on for eighteen hours, and is then removed and reapplied after an interval of six hours. On the subsequent days it is left on for twenty-two hours in every twenty-four. The bandage is applied just tightly enough to impede the venous return, but not to obstruct the arterial supply.

Early Closure of Recent Gunshot-wounds.

AFTER discussing the various methods for producing early closure of gunshot-wounds, Captain Wilson H. Hey, Manchester ("British Medical Journal"), comes to the conclusion that the following paste is better than bipp or than the various antiseptic solutions:

| | | | | |
|-----------------|-----|-----|-----|----------------------|
| Boric acid | ... | ... | ... | 11 oz. |
| French chalk | ... | ... | ... | 1 oz. |
| Liquid paraffin | ... | ... | ... | 8 oz. |
| Brilliant green | ... | ... | ... | 17 $\frac{1}{2}$ gr. |

The boric acid and French chalk are intimately mixed in a mortar, then the liquid paraffin is worked in, and finally the brilliant green, dissolved in rectified spirit. If the chalk is omitted, the paste will not adhere to any but the driest and freshest of wounds, and the quantities mentioned must be rigidly adhered to. This paste is the only one now in general use in the hospital to which Captain Hey is attached.

The Administration of Thyroid Gland.

Dr. CARVER ("British Medical Journal") draws attention to the fact, well known to pharmacists, that there is no such preparation as "thyroid extract," a term often seen in medical literature, and he advocates the use in prescriptions of the B.P. preparation and designation only, "thyroideum siccum," rather than the "extract" or the fresh gland. He points out two possible sources of error: (1) Through the fact that in the official preparation the substance is presented in concentrated form, whilst in the products of some of the large commercial houses it is presented in approximately the strength of the fresh gland; (2) through the use of the term "ext. thyroidei," which indicates neither of the above preparations specifically, but leaves to the chemist the decision as to which of them shall be supplied. It is to be noted that in the B.P. 1914 the official dose of thyroideum siccum is given as $\frac{1}{2}$ to 4 gr., instead of 3 to 10 gr., as in the B.P. 1898. In neither case is there any suggestion as to how frequently the dose may be repeated, and the change introduces another factor that may contribute towards ineffective treatment.

Trade Report.

42 Cannon Street, E.C. 4, September 26, 3 p.m.

THE markets as a whole continue quiet, with here and there a bright spot. Pharmaceutical chemicals, with the notable exception of aspirin, shew a sagging tendency in the absence of demand. Menthol and oil of Japanese mint and camphor continue to attract interest in Mincing Lane, while the effect of the fall in Italian exchange now shows a marked effect on produce like citric and tartaric acids and the "Messina essences," all of which are on a much higher level and attracting interest. Aspirin has still a rising tendency. Bromides and salicylates unchanged; acetanilide is on the easier side, likewise guaiacel carbamate, potash sulphoguaiacolate, paraldehyde, and hexamine. Other changes include an advance in Russian anise and E.I. dill-seed; canary is firmer. Sulphur prices have been officially advanced; large consignments of quinine are close at hand, and may ease the stringent situation.

| Higher | Firmer | Easier | Lower |
|----------------------|-----------------|--------------------------|----------------------------|
| Aspirin | Anise (Russ.) | Cardamoms | Calumba |
| Camphor (Jap. ref.) | Anise oil, star | Cloves | Hexamine |
| Citric acid | Bergamot oil | Guaiacel carbamate | Pimento |
| Dill-seed | Canary-seed | Ipecacuanha | Sarsaparilla (Native Jam.) |
| Elemi | Farina | Paraldehyde | |
| Heney | Lavender oil | Potash sulphoguaiacolate | |
| Lemen oil | | Saccharin | |
| Menthol | Opium (Fr.) | Vanillin | |
| Mint oil (Jap.) | Orange oil | Wax, veg. | |
| Myrrh | | | (Jap.) |
| Quinine (sec. hands) | | | |
| Sulphur | | | |
| Tartaric acid | | | |

Cablegram.

NEW YORK, September 24.—Business is quiet. Menthol has advanced to \$4.50 per lb.—a rise of 25c. Cascara sagrada is dearer at 19c., and balsam telu is also higher at \$1.10 per lb. Oregon balsam of fir is dearer at \$1.60 per gal. Codeine pure alkaloid has advanced to \$10.25 per oz. and the sulphate to \$9.20; Copiba is lower at 77c. per lb.

British Red Cross Auction.

Messrs. F. W. Bowyer & Bartleet, 147 Fenchurch Street, E.C., announce that a sale by auction will be held at the London Commercial Sale Rooms on October 24, 1918, in aid of the "Red Cross Fund." Contributions of dried fruit, drugs, copy of the Public Ledger dated September 1761, electro-plate, silver articles, and cigarettes have already been received. Any articles of produce such as tea, coffee, canned goods, drugs and chemicals will be gratefully received to be included in above sale.

AGAR-AGAR is steady, with sales of No. 1 Kobe strip at 3s. 4d. to 3s. 6d. per lb. on the spot.

ANISE.—Russian has been sold at 80s. per cwt., being slightly dearer.

ANISE OIL, STAR, is firmer, spot sellers of "Red Ship" brand asking 5s. 7d. to 5s. 8d. per lb., with sales thereof, and to arrive 5s. 4d. c.i.f. is quoted.

ANTIMONY.—Japan is reported to be buying crude in China, where there is also some competition by America, whose reserve stocks of both regulus and crude have been apparently much reduced. There is practically no change here, and crude is well-nigh unobtainable at 65s. A few Continental inquiries have sprung up, but business is impossible for shipment to Continental ports in the present state of shipping.

ASPIRIN is still tending upwards, and for prompt delivery from 16s. to 17s. per lb. is being realised for very limited supplies, while there is considerable reluctance on the part of makers to sell for forward delivery. It is therefore anticipated that prices will go still higher, as we understand that no licences are being granted for importation from the United States, where the price is only about 12s. 6d. f.o.b.

BARBITONE.—A consignment has just arrived, but it is still difficult to bring forward supplies from Switzerland through France; 100s. is the spot price.

BERGAMOT OIL is firmer at from 24s. to 24s. 6d. per lb. on the spot and to come forward.

BROMIDES are unchanged, with spot sales of second-hand holders of Japanese potassium at 8s. 6d. per lb. Ammonium of American make is quoted at 7s. 6d. to 8s., and sodium at from 5s. 3d. to 5s. 6d. per lb.

CADMUM.—The market continues firm at 8s. 6d. to 9s. per lb. The American output for last year shewed at about 212,000 lb., a substantial increase against the previous year, and there is every indication of a further increase in connection with the expansion of operations in electrolytic zinc.

CAMPHOR OIL.—The Yokohama Trade Commissioner, in a report dated June 27, states that on account of the increased demand for camphor oil throughout the world the Japanese Monopoly Bureau are taking the necessary steps to increase the quantity for export. This will be done by raising prices to consumers. In the past, in spite of exertions to the contrary made by the authorities, the supply of camphor was greater than the demand. In 1917 the total output of camphor reached 8,090,000 kin, including the Fermesan production; on the other hand, the sales during the same period amounted to 7,850,000 kin, leaving a surplus of 240,000 kin. It is said that 3,240,000 kin was used for refining purposes, 630,000 kin for celluloid making, and the remaining 3,720,000 kin was exported to other countries.

CAMPHOR (REFINED) has sharply advanced, with spot sales of Japanese 2½-lb. slabs at from 5s. 6d. to 6s. 6d. per lb., and subsequently at 6s. 3d.

CANARY-SEED is firmer at 350s. to 365s. per quarter for ordinary to good Merocce, and 370s. to 390s. for fair to fine Spanish.

CASCARA SAGRADA.—It is difficult to procure offers from the other side; meanwhile the spot market is unchanged, with a very limited quantity available at 180s. per cwt.

CASCARILLA.—An arrival of 264 bales has taken place in Liverpool.

CITRIC ACID has advanced about 4d. per lb., there having been a feverish anxiety on the part of buyers to pick up spot parcels, and from 3s. 11d. to 4s. 2d. has been paid, with 4s. 3d. to 4s. 6d. asked at the close. The rapid rise in all Italian products has been mainly responsible for this, as, although there is a good demand for export, the home consumption at this period is small. In the drug-auction 19 kegs of crystals sold at 4s. per lb.

CLOVES have been quiet, with spot sales of fair Zanzibar at 3s. per lb., being easier.

COD-LIVER OIL.—The Norwegian market continues nominal, no quotations being available.

COLCHICUM-SEED is scarce and inquired for, while root is offered at from 6s. 6d. per lb. upwards.

COPPER SULPHATE.—The market is again very quiet, with the Liverpool f.o.b. price at about 65s. in casks, less 5 per cent. It is reported that a good many licences have come through, and there is thus a prospect of a revival in the early future.

COUMARIN is in limited supply on the spot at from 165s. to 175s. per lb., according to holder.

DILL-SEED is dearer; good quality has been sold at 64s. to 65s. per cwt. In the drug-auction 104 bags of East Indian sold at from 5s. to 55s. for first- and second-class seasoned, and 4s. for third-class, without reserve.

FARINA is firmer, No. 1 Japanese selling at 86s. to 87s. per cwt. on the spot; sales to arrive include October-December shipment at 84s. c.i.f.; sweet has been sold at 83s. spot.

GALLS are firm, ordinary Chinese offering at 180s. per cwt. on the spot and at 170s. c.i.f.; plum-shaped offer at 190s. on the spot.

GUAIACOL CARBONATE is rather cheaper to arrive, as it can be bought at 105s. from consignments now coming forward.

GUAIACUM is very scarce, the last price paid privately being 10s. 6d. per lb.; in auction a single cask of good clean glassy lump offered and retired at 15s., no response being made to a suggestion of 12s., which is about the value.

HEXAMINE.—Some parcels in the hands of dealers have been sold at about 7s. per lb., and it is possible to buy at 7s. 6d.

LAVENDER OIL.—New French will be very dear this season and difficult to obtain at from 21s. to 22s. per lb.

LEMON OIL has met with much more attention, with a fair demand for spot parcels, which have been sold up to 5s., but for finest oil 5s. 6d. is now asked.

MENTHOL has fluctuated, but rather dearer on balance. Towards the close of last week spot sales of Kobayashi-Suzuki were made at from 18s. 9d. to 19s., but this week a quieter tenor has prevailed, spot selling at 18s. 6d. to 18s. 9d., and on Wednesday 19s. to 19s. 3d. was paid. Sales to arrive include October-November shipment in combination with oil at 27s. 3d. c.i.f. Arrivals aggregating 219 cases have taken place. In the drug-auction 40 cases Suzuki and 10 cases Yazawa sold in prize at from 18s. 6d. to 18s. 8d. per lb. Private market closes sellers at 19s.

METHYL SALICYLATE is in fair demand, as the season of heaviest consumption is approaching; from 7s. to 7s. 6d. per lb. is obtainable on the spot.

MILK-SUGAR is unchanged, Dutch powder offering at 3s. 6d. and American at 4s. on the spot.

MINT OIL.—Japanese dementhrolised is dearer, with spot sales of Kobayashi-Suzuki at from 6s. to 6s. 6d. per lb., subsequently reacting to 6s. 4d. to 6s. 3d., with sales thereof, but to-day up to 7s. has been paid. In the drug-auction 20 cases Suzuki and 5 cases Yazawa sold in prize at from 6s. 4d. to 6s. 7d.

OLE, ORANGE.—Sicilian sweet is quoted at 11s. 6d. on the spot and to come forward.

OLIVE OIL.—There is a reasonable prospect of supplies being obtainable from Spain on account of the Ministry of Food, and that prices will be fixed on a considerably lower basis than those now ruling.

OPIUM.—A steady business has been done on the spot in Persian during the last few weeks, and the price of 10-per-cent. is now 63s., and 9-per-cent. 55s. to 56s. per lb. A considerable quantity of Persian has of late been sold at the source to Japan, presumably for shipment to China. It would be interesting to know if this business would have taken place if the Hague Opium Convention had been fully ratified.

PARALDEHYDE is rather easier at from 9s. 6d. to 10s. per lb. on the spot.

PEPPER is quiet, with sellers of fair black Singapore on the spot at 2s. 2d., Tellicherry at 2s. 3d., and Aleppo at 2s. 3d. White is also quiet, Muntok offering at 3s. 8d. and to arrive at 3s. 5d. per lb. e.i.f. London; Singapore is 3s. 7d. spot.

PEPPERMINT OIL.—With an undeniable scarcity on the spot and a five-dollar market in the U.S., probably 26s. would have to be paid for finest tin oil on the spot.

PETROLEUM is firm at 1s. 10d. per gal. for ordinary refined American, and at 1s. 11d. for water-white. It is stated that the Petroleum Pool Board are about to issue an Order under the Defence of the Realm Act restricting the use of petroleum for heating purposes.

PHENACETIN has shown a revival in demand at from 18s. to 18s. 6d. per lb., and it looks as if the decline has at last come to a standstill.

PHENAZONE remains firm at 50s. per lb., and it would not be surprising to see an improvement, as the available supplies are small.

PIMENTO is easier, with spot sales at 6d. per lb.

PLATINUM.—This year's probable production of crude platinum in Colombia is estimated at about 35,000 oz., and a slight increase is expected in the United States output. Regulations are being prepared for the American War Industries Board for a system of licences. It is rumoured that considerable quantities of Colombian platinum are being withheld from the American market, but there is no confirmation of this.

POTASH SULPHOQUATACOLATE.—Owing to competition an easier market has prevailed, with spot soliers at 82s. 6d. per lb.

QUICKSILVER.—The tone remains very firm, but prices are unchanged at 21s. to 24s. per bottle, according to quantity and the purpose for which the metal is wanted. Supplies are probably scarcer, as 1,845 bottles were re-exported during August, whereas imports were nil. The total imports for eight months were only 9,817 bottles, which compares with 22,933 bottles in 1917—a decrease of 13,116 bottles.

QUININE.—Prices in second-hands are of a random character, and there is practically no market except for very limited lots at round about 5s. 3d. The *Antilochai* has arrived with a large consignment, and there is a further large shipment close at hand. This may tend to ease the position considerably, but it depends on how much is commanded by the Government.

SACCHARIN.—The demand has fallen off somewhat this week, and prices have an easier tendency, competition among importers being more evident. Although 260s. per lb., duty unpaid, is still quoted for 550 pure, rather less will now buy in certain quarters.

SALICYLATES.—*Salicylic acid* remains unchanged at 4s. 6d. per lb. from English makers for forward delivery, but for actual spot delivery 4s. 9d. would probably have to be paid for either English or U.S.P. Makers are becoming somewhat apprehensive of the position in raw materials, and expect to realise higher prices later. *Sodium salicylate* is also unchanged, but the winter demand may improve the situation; from 5s. 9d. to 6s. is quoted.

SALOL can be had at from 9s. 3d. to 9s. 6d. per lb. on the spot, with nothing coming from the United States.

SENECA.—Owing to the recent arrivals there is now a plentiful stock on the spot, with holders maintaining the previous price of 8s. per lb. In the drug-auction five bales were limited at 8s. per lb.

Shellac is steady, with sellers of the usual standard TN Orange quality at from 33s. to 34s. per cwt. on the spot, good TN offering at 34s., cakey AC Garnet at 33s., and pure Button at 34s. To arrivo TN Orange is quoted at 30s. to 31s. and AC Garnet at 31s. c.i.f.

SULPHUR.—The Minister of Munitions announces that, owing to increased costs, it has been found necessary to increase the price of sulphur supplied by the Sulphur Committee, and the following revised scale will now apply: Flowers of sulphur, 28s. 15s. per ton; roll brimstone, 22s. 10s. per ton; thirds, 17s. 15s. per ton. The other terms and conditions of supply will remain unchanged. Applications for sulphur must be made on special forms, which may be procured from the Secretary, Sulphur Committee, Ministry of Munitions, Department of Explosives Supply, Storey's Gate, S.W. 1. It was in May 1917 that the Minister of Munitions fixed the prices of sulphur (see *C. & D.*, May 12, p. 50), and the present rates show an advance of 5s. 15s. on flowers, 30s. on roll, and 5s. 5s. per ton on thirds. The prices apply to imported sulphur in lots of not less than five tons for use in approved trades and industries.

TARTARIC ACID, in sympathy with all Italian produce, is decidedly dearer, the spot price of powdered being 3s. 9d.

THYMOL ex ajowan-seed is firmer at 5s. per lb. for forward shipment.

WAX, VEGETABLE, is quiet, with spot sellers of Japanese at 12s. per cwt.

WOOD OIL.—Chinese on the spot is quoted at 165s. per cwt., and at 154s. e.i.f.

London Drug-auctions.

Commercial Sale Rooms,
Mincing Lane, E.C., September 26.

A rather larger quantity than usual was disposed of at the auctions to-day, in spite of the fact that fewer export licences seem to be granted. Aloes was neglected, but little offered; balsam tolu sold at a further advance in a small way; while for Sumatra benzoin there was very little demand. Siam siftings sold well at full prices. Calumba was quite neglected, the sudden large supplies having frightened buyers. New arrivals of dragon's-blood were offered, but too highly limited to permit of business. Sound Spanish ergot sold at a further advance, and there has been a fair demand privately. Siam gamboge is quite neglected, but asking prices are maintained. Honey is scarce, and 10s. to 15s. dearer for Chilian. Ipecacuanha is rather easier in view of the plentiful stocks. Liquorice-root sold more freely, and for Aden myrrh a further substantial advance was paid. Menthol and Japanese mint oil sold in prizo at full private prices. Nux vomica is now more plentiful, and the price should ease. Rhubarb is steady, with a continued absence of High-dried. Native Jamaica sarsaparilla met with a decline of about 8d., but grey Jamaica was about steady. Tinnevelly senna showed a slight revival in demand, with importers meeting in the market. Beeswax in auction was neglected, but there is a steady demand privately.

The following table shows the quantity of drugs offered and sold:

| | Offered | Sold | Offered | Sold |
|-----------------------------|---------|------|--------------------|------------------------|
| Acetanilide ... (kgs.) | 2 ... | 0 | Dragon's-blood | ... 70 ... 6 |
| Aloes— | | | Elemi | ... 5 ... 5 |
| Cape | 20 | 5 | Ergot | ... 40 ... 40 |
| Zanzibar, etc. | 12 | 0 | Fennel-seed | ... 120 ... 0 |
| Anise (Sp.) | 80 | 0 | Fenugreek-seed | ... 40 ... 0 |
| Anise, star (Ch.) | 54 | 0 | Flies (Mexican) | ... 82 ... 0 |
| Anatto | 33 | 0 | Galls | ... 9 ... 0 |
| Balsam tolu | 5 | 1 | Gamboge | ... 17 ... 0 |
| Belladonna-leaves | 5 | 0 | Gentian | ... 355 ... 0 |
| Belladonna-root | 3 | 0 | Guaiacum | ... 1 ... 0 |
| Benzoin— | | | Gum acacia | ... 253 ... 0 |
| Palembang | 29 | 0 | Menbane | ... 21 ... 0 |
| Siam | 20 | 20 | Illexamine | ... (kgs.) 1 ... 0 |
| Sumatra | 184 | 13 | Ipecacuanha— | |
| Betanaphthol | 1 | 0 | Cartagena | ... (box) 1 ... 0 |
| Calabar beans | 15 | 0 | Matto Grosso | ... 34 ... 9 |
| Calumba | 265 | 0 | Minas | ... 6 ... 0 |
| Camphor (slabs) (cs.) | 26 | 0 | Honey— | |
| Cannab. ind. (African) (10) | 10 | 0 | Californian | ... 1 ... 1 |
| Do. (Amer.) | 27 | 0 | Chilian | ... (lbs.) 459 ... 459 |
| Do. (E. I.) | 2 | 0 | Jamaica | ... 1 ... 1 |
| Cantharides | 40 | 0 | South Africa | ... (cs.) 22 ... 22 |
| Cardamoms | 79 | 0 | Kola | ... 66 ... 2 |
| Chamomiles | 196 | 0 | Lemon oil | ... (cs.) 6 ... *6 |
| Cinchona | 1 | 0 | Do. terpeneless | |
| Cinnamon-leaf oil | 10 | 0 | (bott.) 10 ... *10 | |
| Citric acid | 19 | 19 | Lime-juice | ... (pn.) 1 ... 0 |
| Coca-leaves | 156 | 0 | Liquorice-juice | ... 210 ... 50 |
| Colocynth | 33 | 1 | Liquorice-root | ... 210 ... 170 |
| Copaiha (Maran.) | 5 | 0 | Lycopodium | ... 12 ... 12 |
| Coriander-seed... | 10 | 0 | Menthol | ... 50 ... 0 |
| Cream of tartar (brls.) | 22 | 0 | Methyl sal. | ... 1 ... 0 |
| Cubebes | 57 | 0 | Milk-sugar | ... 1 ... 0 |
| Cumin-seed | 187 | 0 | Mint oil (Jap.) | ... 25 ... 25 |
| Dill-seed | 164 | 164 | Myrrh | ... 10 ... 10 |
| | | | Nux vomica | ... 700 ... 0 |



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Reconstruction in Ireland.

SIR.—The letters of Mr. Wilson, Ph.C., Mr. Hewton, Ph.C., and "M.P.S.I." all point to dissatisfaction among the craft in Ireland with the Council of the Society. A few months ago in your columns I pointed out a backwardness in regard to the antiquated syllabus. I was not urging a practical pharmacy course after the pattern of "Jay Mack" (C. & D., September 21, p. 45). To be serious, however, I think a Committee of Reconstruction might be appointed from among the younger men on the Council, who should keep an open eye to see that progress is made; and, as Mr. Wilson suggests, I think you might review the position of pharmacy in Ireland in an Editorial or two with a view of bringing about a revival of pharmacy. There are a great many questions requiring discussion. The druggist grade must be abolished, the question of druggists' apprentices and assistants must be tackled. This is a thorny question, but it will have to be settled if pharmacy is to be put on a higher level. The mistake that was made in having a druggist grade should be rectified in the next Act of Parliament. The election is coming off soon, and voters are urged to vote only for live Councillors—not deadheads.

Yours truly,
SAMUEL HOGG.
Belfast.

The New Certified Occupations List.

SIR.—A closer study of the revised list of certified trades gives some idea of the value attached to the new title "pharmacist" by Government Departments. While "dispensing chemists" are specially mentioned, as reported in the C. & D. last week, we find under "Hospitals, Infirmarys, and Institutions for the Sick" that pharmacists, dispensers, mortuary attendants, male nurses, etc., are bracketed together as evidence of equal indispensability. Apart from the question of qualified owners, whose position is specially deserving of consideration, it seems rather anomalous that a manager of a multiple drug company's shop is exempted if over thirty-one years of age, and a qualified assistant if over thirty-five, both being Grade 1, while a hospital pharmacist in Grade 1 must be over thirty-eight to be "certified." Again, pharmacists dispensing for hospitals, graded 2, born after 1885, are required for the Army, but apparently no Grade 2 qualified assistants in retail business are excluded from certification if agreed indispensable by the National Service Representative. We presume the Pharmaceutical Society's officials have "given advice" to the Government on the foregoing, but at a time when efforts are being made to get chemists appointed as dispensers at hospitals and infirmarys it hardly seems the proper way to class the hospital pharmacists on an equal footing with a mortuary attendant. Apparently it would be advisable if hospital pharmacists reverted to the title used by the dispensers at the London County Council mental hospitals—viz., "dispensing chemists." Perhaps then their qualification would be recognised.

Yours truly,
HOSPITAL. (89/79.)

Some Reflections.

SIR.—Referring to your note on the belated suggestions to medical men on economy in the use of fats, two years ago I wrote urging economy in the use of edible oils and fats and spirit. The wholesale houses turned me down, and others said the time was not yet ripe for such drastic changes. Your Mossina letter shows how the markets are being rigged by financiers so that legitimate dealers suffer, and the man in the street pays the piper. You, Mr. Editor, do not indulge in prophecy as to when war will end, but you are busy carrying on war where it is most needed—in our autocratic aristocratic Society. It will be a herculean task sweeping that stable clean; the litter has lain so long that it has become part and parcel of the edifice. "Jay Mack" is amusing with his glints of wit and wisdom, but his schemes are futile after all, because if there is anything in a chemist he quits the trade.

Yours faithfully,
SCOTUS. (89/74.)

Northampton Pharmaceutical Association.

SIR.—I was interested in Mr. G. Claridge Druce's reference to the Northampton Pharmaceutical Association of 1873, being one of the original members who received guidance and teaching from our good friend G. C. D. The botanical excursions are green in memory still, and also the practical lessons in the manufacture of extracts, etc., from crude drugs demonstrated by Mr. Druce in Philadelphia Jeyes's laboratories. I am also glad that I am not the non-successful one alluded to.—Yours,

E. A. HOLLOWAY.
Southend-on-Sea.

Apothecaries' Assistants.

SIR.—I notice your article in the C. & D., September 21, p. 44, on this subject. Which of the two is likely to be more careful in the sale of poisons—the Apothecaries' Hall assistant or the ironmonger or seedsman? It has always appeared to me that if the qualification of the "Hall" is sufficient to secure safety in the dispensing of the prescriptions of medical men, embracing as it does the handling of the most potent poisons, the argument of unfitness to sell poisons falls to the ground; and, if so, what necessity is there for any further qualification?—Yours, etc.,

SIXTY YEARS BEHIND THE COUNTER. (25/9.)

Belated Doctors.

SIR.—The Home Office has been much criticised of late regarding the slackness which has been exhibited over the alien enemy question and the London police strike, so that one is not surprised to find the same Government officials several months behind the fair on the matter of the use of fats and oils in pharmacy. It is a pity you did not give us the names of the medical men who form the precious "Advisory Committee." Mr. C. A. Hill, at the British Pharmaceutical Conference at the beginning of July, said then that lard had practically disappeared from pharmacy, and it could not have become easier to obtain in the interval.

Faithfully yours,
QUANDARY. (89/61.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Tempus fugit.

(3 A.M. September 30, 1918, becomes 2 A.M. by law.)
Wo borrowed a small bit of Time,
And willingly now pay it back;
We annexed a tiny bit of Sun,
Whilst the world whirled on in its track.
We are quits on the thirtieth day
Of "Sep"—so far as light goes—
But for months we have speeded our friends,
And at last we have hustled our foes.
The Hun stole a march on the world,
And the Allies a march on Time;
The Daylight Act kept flags unfurled
And tightened our grip on our line.
The Hun through greed with a "Hymn of Hate"
Played a hand that to win seemed certain;
But Timo holds the tricks, and sure as fate
On the last Act will soon raise the curtain.

A. E. W. (23/8.)

Jay Macksimus
(as he writes them).

PILLS FOR EARTHQUAKES.

(1) From one issue of C. & D. I take the following:

LIVERPOOL.

Boys are steadily disappearing from pharmacies. The lady assistant, the girl messenger, and the female "shop-boy" are the Three Graces of the retail trade.

SHEFFIELD.

The city is being adorned with placards directed against the co-operative system of trading.

GLASGOW.

The Scottish Co-operative Wholesale Society, Ltd., announces its jubilee, and states that the annual sales have increased in fifty years from £1,094, to 17,767,100.

(2) My prophecies of the last ten years are coming home to the drug-trade at last.

(3) Women outnumber men in our trade by two to one. Their business life is only five years, yet we ignore their existence, and even allow the best of them to drift to Apothecaries' Hall—and stay there: 500 yearly.

(4) Co-ops. will jostle at placards unless you tell the people that the 2d. divi. is not really the retailer's profit, but is added on to the price.

(5) Co-op. trading is based on a fallacy: it is an in-grafted wrong notion. But it is here to stay: the officials will see to that.

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

W. H. K. (185/17).—INSURANCE APPLIANCES.—The appliances mentioned in the list attached to the Drug-tariff are the only ones which are paid for by Insurance Committees. The matter was fully explained in an article in the *C. & D.*, January 5, p. 43.

F. C. M. (184/42).—OPENING A BUSINESS.—You may not open a new business, branch, or department without the sanction of the Ministry of National Service (see *C. & D.*, February 16, p. 33, and February 23, p. 33). Applications for your district must be made to the Director of National Service, New Arts Building, Liverpool University, Liverpool.

T. L. (175/25).—LIABILITY TO STAMP-DUTY.—There is sufficient disclosure on the label on the indigestion-mixture to bring it within the exemption, but the use of the words "Dr. Blank's" before the title is a claim to proprietary rights, and excludes the mixture from the benefit which chemists enjoy in the sale of "known, admitted, and approved" remedies.

W. F. (171/56) sells a proprietary article in boxes which are covered by a label bearing the words: "A 1s. box contains approximately 4 oz., and a 2s. 6d. box 12 oz." Is he liable to weigh every box to ensure that it contains the specified weight of the article? [We are of opinion that "W. F." would not be held by the Court under any liability in the event of a box containing slightly less than the weight specified on the label. We cannot, however, express any opinion as to what margin of error would be regarded as being covered by the reservation stated upon the label. Unless "W. F." guarantees that the 2s. 6d. box contains a minimum of 12 oz. of the article we suggest that he should add the word "approximately" before the weight in question, as in the case of the weight of the 1s. box.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. T. P. (90/71).—MALT MILK.—The process of manufacture is as follows: Coarsely-ground malt and wheat-flour are macerated in water, raising the temperature to 150° F., keeping it at that temperature for about half an hour so as to ensure the conversion of the starch in the flour into dextrin and maltose or malt-sugar; then raising it to a temperature of from 165° to 170° F., holding it there for about fifteen minutes; running it into a press and expressing the liquor from the mashed grain; passing it through fine sieves, evaporating this liquor to a thick syrup, adding cow's milk, raising the temperature to at least 160° in order to pasteurise, evaporating in vacuum pans with agitation, adding salt and bicarbonates of sodium and potassium, grinding the dry mass to a granular powder, packing in air-tight jars with metal caps sealed with paraffin. The first part of the process is described in the specification of Patent 3096 of 1883.

W. E. B. (134/43).—(1) A layer of paraffin upon the surface of the water of a tank destroys the larvae of mosquitoes. (2) Soft soap gives the best lather of any of the soaps in a shampoo liquid. Lysol would be more suitable than cresylic acid to add to the liquid as an antiseptic.

J. B. (180/15).—THE CARAWAY-SEED SUBSTITUTE now offered on the market is East Indian dill-seed; it is usually re-cleaned or screened before use as caraway substitute. As you will see from our Trade Report, Tunis and Morocco are supplying caraway-seed.

J. C. (183/53).—IRRITATION OF FINGERS caused by handling hyacinth-bulbs.—This could probably be minimised by a preliminary greasing of the skin of the hands, but a simpler way is to wear gloves when handling the bulbs. We think your surmise as to the cause is correct.

H. J. (184/25).—CURING ANIMAL SKINS.—Alum and salt are the chemicals needed in curing skins; these are rubbed into the moist skin, or a strong solution is applied to the flesh side of the skin daily for a week, followed by the application of the dry powders.

H. W. (138/25).—We do not know of any book devoted to pill- and tablet-coating.

F. & C. (103/32).—CELERY SALT.—The following are the two methods of preparing this:

I.

| | | | | |
|-------------------|-----|-----|-----|------|
| Common salt | ... | ... | ... | 5iv. |
| Essence of celery | ... | ... | ... | 3j. |

Mix well together.

Convenient to flavour soups, etc., and for eating with cheese.

II.

| | | | | |
|-------------------|-----|-----|-----|-------|
| Common salt (dry) | ... | ... | ... | 5xvi. |
| Celery | ... | ... | ... | 3vj. |

Cut the celery into slices of about $\frac{1}{4}$ inch, and thoroughly incorporate the salt with the slices, without expression or pounding, in a mortar, so that the salt may take up the juicy part of the celery. Put into a dish in an oven for half an hour, then beat up for ten minutes; return to the dish and dry for about an hour; the salt will then have become caked, but a few stirs round with a pestle will soon reduce it, so that the greater portion may be passed through a fine hair sieve. Place in airtight bottles or jars.

Essence of Celery.

| | | | | |
|------------------------|-----|-----|-----|-------|
| Celery-seeds (bruised) | ... | ... | ... | 5j. |
| Rectified spirit | ... | ... | ... | 3iij. |

Macerate seven days and filter.

J. W. T. (184/17).—BOOKS ON CHILDREN'S DISEASES.—See *C. & D.*, July 13, p. 52.

M. J. Mc (184/11).—BOOKS ON SIGHT-TESTING.—Lawrance's "Visual Optics and Sight-testing" (6s.) is good. You might be able to obtain a copy of "The Chemist-Optician" by advertising in the Coloured Supplement.

F. F. (182/2).—The following are the formulas you require:

Compound Pile-ointment.

| | | | | |
|---------------------------|-----|-----|-------|--|
| Pulv. gallæ, | | | | |
| Ac. carbol. | ... | aa. | 5iv. | |
| Ext. belladonnae (alcoh.) | ... | 3j. | | |
| Ext. hamamelid. | ... | ... | 3iv. | |
| Ext. opii | ... | ... | 5j. | |
| Ol. picis | ... | ... | 5ij. | |
| Cerat. simpl. | ... | ... | 5lxx. | |

Eczema-ointment.

| | | | | |
|----------------------------|-----|-----|------|-----------|
| Zino. oxid. | ... | ... | ... | 3iv. 3ij. |
| Liq. picis carb. | ... | ... | ... | 3ss. |
| Liq. plumb. subacet. fort. | ... | ... | 3ss. | |

Paraf. moll. ad

...

...

3iv.

G. E. L. (183/27).—Red arsenic is realgar, not orpiment, which is yellow. Realgar is now chiefly used in the manufacture of fireworks (Bengal Lights) and signal light. It was formerly used as a pigment.

A. H. P. (178/30).—"Manual of Military Hygiene" (Stationery Office, 6d.); Henson's "Malaria, Etiology, Pathology, Diagnosis, Prophylaxis, and Treatment" (Kimpton, 4s.).

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Sept. 15, 1868.

Pharmaceutical Exhibition at Norwich.

Two novelties for babies complete our list of exhibits, and we must congratulate these important little beings on the fact that inventors and scientific men have lately become so solicitous for their welfare and comfort. A new and happy era has certainly dawned both for them and for their nurses, if a dose of castor oil or Gregory's powder can be safely smuggled into their stomachs while they sleep. These startling feats have been frequently accomplished in at least one case by the use of a neat-looking little apparatus introduced by Mr. Proctor, of Newcastle, consisting of an accurately graduated glass measure, with a boxwood cork, through which a bent glass tube, fitted with a teat, passes to the bottom of the glass. Through this, it is said, children will instinctively suck any liquid, without showing too much curiosity about its nature. This is certainly a step in the right direction, and we predict that syphon medicine glasses will be saleable so long as babies and physic exist, and remain incompatible. "The" Feeding Bottle is another application of genius to this inexhaustible subject.

How Pelmanism Helps Medical Men

By M.B., C.M.

To the doctor, more perhaps than to any other professional man, the possession or non-possession of adequately trained and efficient special senses makes all the difference between success and failure in practice. In his daily fight with disease and death, the medical man's every sense must be on the alert, and his mind receptive to, and retentive of every impression that is made upon them by the "clinical picture," whatever the pathological subject may happen to be. Whether engaged chiefly in the practice of preventive, or of curative medicine, the practitioner realises that unless he has all his wits about him, the subtle and implacable enemy whom it is his daily duty and joy to grapple with and, if possible, overwhelm, must outwit him in the end.

Now, the quality of the practitioner's wits depends very largely on the efficient functioning of both mind and memory, and on the quality of his sense perceptions. But of one of the most valuable of these, he is in the vast majority of cases, altogether deprived. His sense of sight can, with comparative rarity, be brought to bear directly on the actual centre or focus of disease itself, as in the preliminary investigation of cerebral, lung, heart, abdominal and pelvic troubles. In the initial stages of the examination of such cases, the medical man is compelled to a large extent to work blindfolded, to combat the enemy with one hand tied behind his back. Were it not that he had the power to visualise the unseen by means of fully developed tactile and auditory senses, he would in many cases be attempting to diagnose in the dark, with results equally unsatisfactory, if not disastrous, both to his patient and to himself. Hence the imperative necessity to the doctor of the highest degree of training of the senses of touch and hearing, to compensate for his frequently recurring and total deprivation of sight.

It is (amongst many other things) in the teaching of the most efficient methods of sense training, of visualising, of forming auditory and tactile images that Pelmanism is of such practical utility to the medical man. As a student he is taught *what* to observe and remember, rather than trained successfully *how* to observe and retain. There is no scientific and systematic training by exercises, designed to develop the special senses to their highest power of perception, such as that embodied in the Pelman course. Our most successful doctors—our most famous consultants—our most eminent operating surgeons—are men who have learned how to use their special senses, and their highly trained mental processes, to the greatest advantage of their patients. The specialist is, in fact one who has devoted himself in the intensive culture of his perception. This applies to specialists in all professions. But in addition to teaching medical men how to train their organs and powers of perception to act with the utmost possible degree of habitual accuracy and speed, Pelmanism has proved and is proving invaluable in many other directions to doctors; whether they be general practitioners or specialists. Though he has to do so much of his seeing with his finger tips and auditory nerve-endings, there is in other directions wide scope for the exercise of the most vigilant eye capable of vision at once acute and comprehensive. But the eye only sees what it has the power to see, and the medical eye, whether focussed on a patient's carotid pulsation, his arcus senilis, a microscopic slide, a skiagram, the laryngoscopic or the ophthalmoscopic image, or anything else that is visible, is no exception to the rule. In the Pelman Course this training of the visual sense by specially devised exercises occupies a foremost place.

To the general practitioner bent on the building up of a large family practice, no less than to the doctor already

well established, Pelmanism is of daily and even hourly value. For instance, in the daily routine of practice, when one of his patients calls to consult him, the doctor finds it advantageous in many ways to be able at once to recognise his patient, to recall his name, to recollect at once his occupation, his medical history, where and when he saw him last, the diagnosis and prognosis made, as well as the prescription, diet, or general directions given. No matter how many other patients a doctor may have, each expects his medical attendant to have a special interest in and recollection of the details of his own case, and is naturally disappointed and it may be offended at any apparent lack of familiarity with these matters on the part of his trusted medical adviser. He may feel so hurt over some failure of memory on his doctor's part that he decides to change his doctor. And much of this sort of thing is bad for a practice. Here again a good solid grounding in Pelmanism stands the medical man in good stead. Though there is no magic claim for it, it is possible by learning and practising its methods, to link up in the trained mind a patient's face, name, complaint, prescription, address, and even telephone number, to the lasting satisfaction of both patient and practitioner.

Every medical man is aware of the frequency with which questions of life and death hang upon the adequacy of the auditory sense employed in the perception of the varied nuances of auscultatory and percussion sounds, in the detection of incipient lung trouble or valvular inefficiency. In visualising the pathological possibilities of some obscure abdominal symptoms, the trained imagination has a wide and useful field to exploit. Where the untrained mind in such a case might have only narrow views about future developments, the Pelmanised mind will survey the problem with wider vision and deeper understanding.

In the course of a week the busy practitioner is sure to have one or more police calls. Any one of these may involve his subsequent attendance as an expert witness in a court of law. His evidence may turn largely on what he observed, did, said, or ordered, in relation to the particular case in question. Here the teaching and practice of a Pelman Course would have enabled him to observe accurately and recollect clearly all the circumstances and arrange them in logical sequence. Again, upon the accuracy of his evidence, the life or death of a human being may depend.

Pelmanism gives the practitioner self-confidence and the power of rapid decision in circumstances that may try the nerves and judgment of the most unemotional. It enables him to import his own confidence and sane optimism to his patients; in disease to foresee and ward off complications; to recognise at once when an operation is urgently called for, and brooks no temporising. It enables him to succeed in virtue of the strong will and force of character which it has taught and trained him to develop on scientific lines. Indeed, when it is recognised in what a variety of ways Pelmanism may be made use of by doctors it is scarcely going too far to aver that in these days, professionally speaking, the would-be successful general practitioner must Pelmanise or perish.

A full description of the Pelman Course is given in "Mind and Memory," a free copy of which, together with TRUTH'S special supplement on "Pelmanism," and form of enrolment for the complete Course for one-third less than the usual fees, and will be sent post free to all readers of THE CHEMIST AND DRUGGIST on application to the Pelman Institute, 313 Pelman House, Bloomsbury Street, London, W.C. 1.

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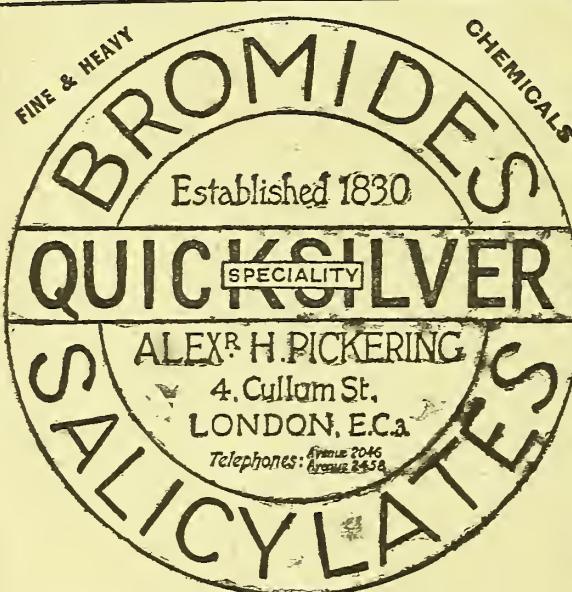
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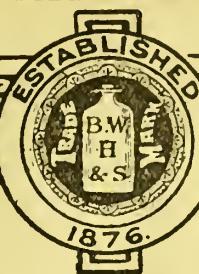
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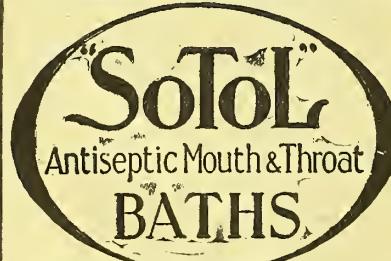
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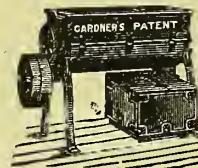
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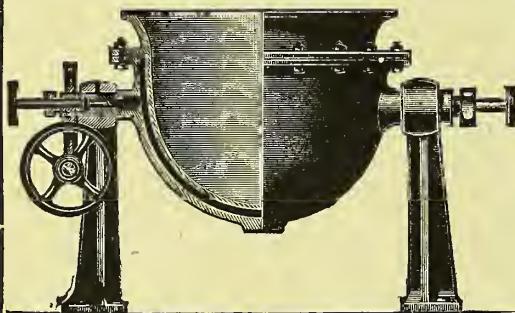
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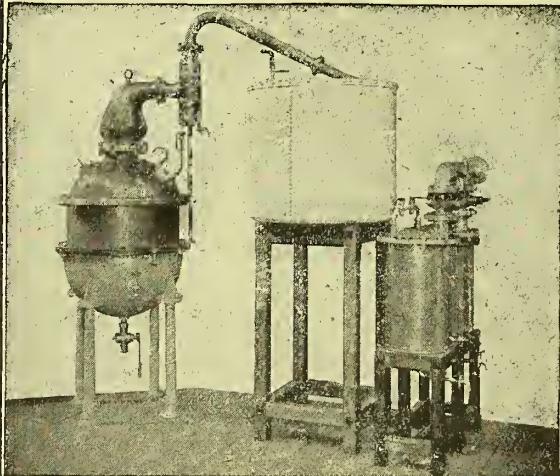
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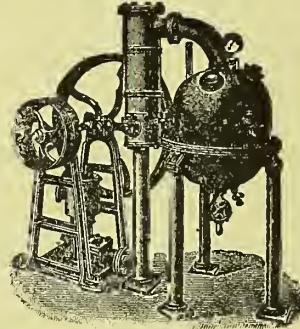
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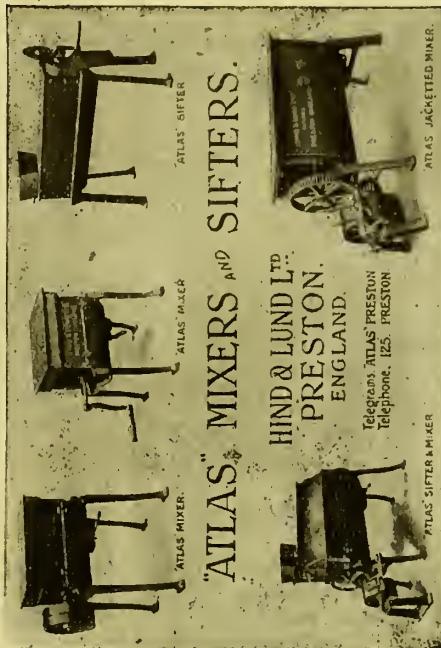
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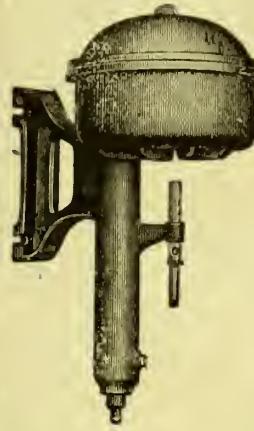
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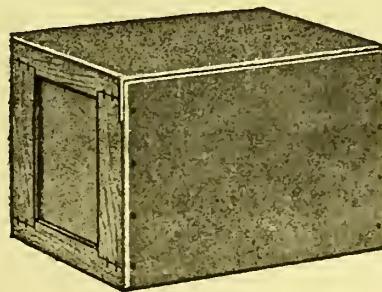
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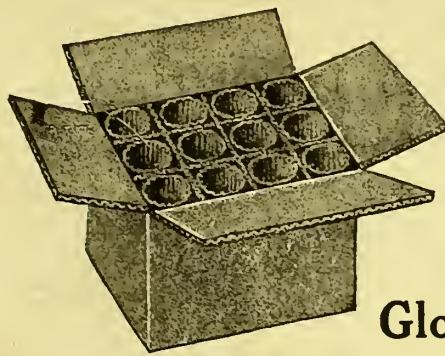
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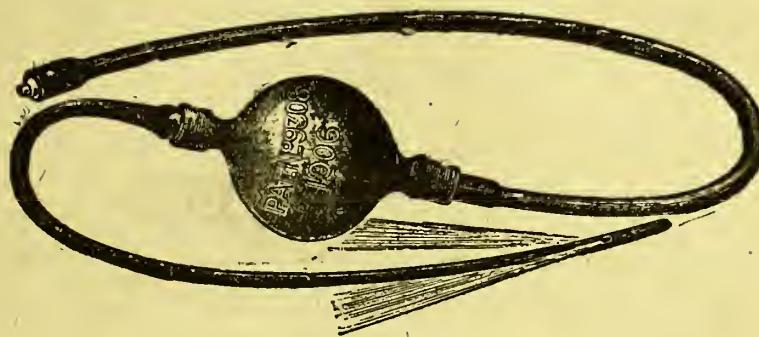
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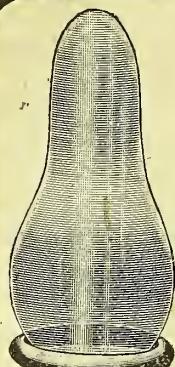
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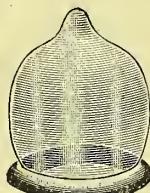
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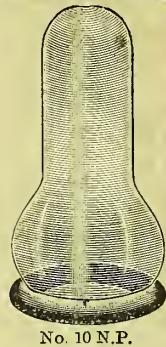
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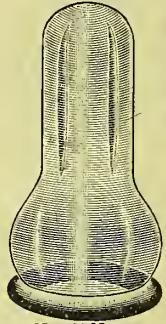
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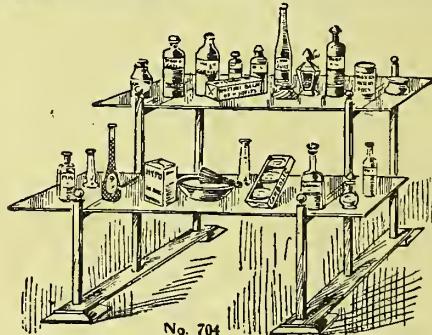
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Fig. 1354.

Fig. 1194.—The "EMPIRE," red India-rubber Air Cushion—

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Fig. 1354.—Air Cushion, sateen covered, reeded

| | | | | |
|---------|-------|-------|-------|-----------|
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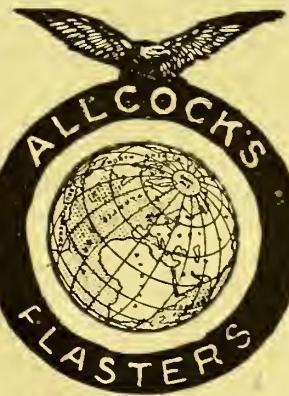
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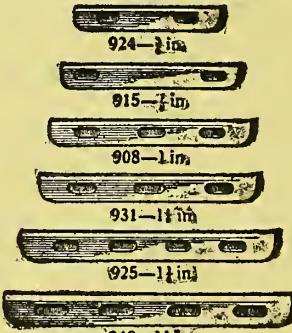
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May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, N.W.—An exceptionally good and reliable Business in select residential locality, returning upwards of £2,250, and producing a net profit of over £600; terms, valuation of stock and fixtures, and sum for goodwill to be agreed equitably; vendor retiring.

2.—LONDON (Residential Suburb).—Death vacancy; all good middle-class trading; excellent position; returns average £1,200; gross profit about £450; well-appointed shop and comfortable residence; price £600.

3.—FINSBURY PARK (Near).—Cash Retail Business and own Proprietaries; position is exceptionally good, and the returns can be much increased; present rate about £1,200; owing to a breakdown in health an immediate sale must be effected; terms, valuation of stock and fixtures.

4.—LONDON, S.E.—For immediate disposal, Ready-money Retail; returns average over £500 per annum; net profit £250; comfortable residence; rent £46, on lease; no near opposition; first reasonable offer will be accepted.

5.—LONDON, N.W. (Residential Suburb).—Well-established Business, held by vendor upwards of 25 years; returns, present rate, over £30 per week at fair prices; well-appointed shop, fitted in mahogany; there is a comfortable residence; held on lease; no near opposition; price £850.

6.—HOME COUNTY.—Good middle-class Retail and Dispensing Business; returns last year £851; present rate about £1,000; net profit 33½%; well-fitted shop and roomy house, with garden; price £550.

7.—KING'S CROSS (Within Easy Distance of).—Old-established Business in good position in populous district; the net income

is £386, and under energetic management can be increased; good house; rent £50; price £600.

8.—SEASIDE (Fashionable Watering Place).—See view; an established good-class Retail and Dispensing Business, held by vendor many years; returns, present rate, about £1,200; well-fitted shop; vendor is giving up owing to ill-health and advanced years; a reasonable offer would be considered.

9.—For disposal, well-known Proprietary Business, which has been established upwards of 100 years; gross receipts average between £2,500 and £3,000 yearly; net profit exceeds £750; to include goodwill, stock, plate, and book debts, £3,000.

10.—SOUTH COAST.—Cash Retail Business for disposal through death; returns show a steady increase, last year's turnover being £2,457; splendid business; premises in main road; valuation of stock and fixtures only required.

11.—A profitable old-established country Business in centre of market town, Gloucester, giving net profit £270; double-fronted shop and good residence; valuation terms catered.

12.—OXON.—Good-class Business for disposal through death; established upwards of 100 years; returns over £1,300; net profit £300; no opposition; price £1,000.

13.—NORTH OF ENGLAND.—Vendor will accept £750 for early release; Retail and Dispensing Business; returns, present rate, about £2,000, with good profits; further details on application.

14.—NORTH OF ENGLAND.—Retail and Dispensing Business; returns show a steady increase, and are now about £850; good prices are obtained; small residence; rent £32; no immediate opposition; terms, valuation of stock and fixtures, about £250.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

LONDON, S.E.—Net profit £250; commanding position; no opposition; corner; comfortable house; Retail business; several Proprietary articles included; at present being carried on as a Drug Store; qualified man doing Panel could increase profit to £350; lease or otherwise; all at, £250. Edwards, 43 Margravine Gardens, London, W. 6.

CHEMISTS AND DRUGGISTS; Wood Green; very prominent main road position; net profits £280; fixtures cost £400; stock £250; price all at £700; thoroughly genuine; ill-health cause of sale; cannot correspond. Those interested please call by appointment, Herbert Musket & Co., F.A.I., 293 High Road, Wood Green. Phone: Palmers Green 186.

FOR Sale, as a going concern, an old-established Homeopathic Dispensing and Prescribing Business, with a Dental Practice attached; turnover about £1,300 per annum; ill-health cause of selling. Apply 72 Camp Hill, Birmingham.

GIVING UP BUSINESS.—To be Sold, the whole Stock and Fixtures of a Chemist's business. Applications to view, etc., to be made to S. Smith, 132 High Street, Tonbridge.

RETURNS £1,750.—High-class Dispensing and Family Retail, with good profits; handsomely fitted and well-stocked Pharmacy in healthy suburb, with excellent residence; old-established; valuation of stock and fixtures, and sum for goodwill; references and available capital must be given before particulars are furnished. Apply "Tablet" (15/35), Office of this Paper.

TO Let, Lock-up Shop, or whole Shop and living premises, in fast developing residential district; low rent; recently vacated by Chemist, who would dispose of handsome fixtures for low price. Geo. Reeves & Co., 267 Mitcham Lane, Streatham, S.W. 16.

FOR SALE.

ABOUT 20 gross Tooth Brushes for Sale; finest imported; any quantity; 14s. 9d. per doz. net, carriage paid. Reply 8/8, Office of this Paper.

FOR disposal, 21 galls. Cream Sublime Olive Oil, £45, carriage paid; also Onken Younits Window Display Fixtures, Chemist's Set No. 105; £5, carriage paid. Milnes, Lane Head, Brighouse.

FOR Sale, 9 gross best make Tooth Brushes, 11s. per doz., sample 1s.; 4 gross Scurf Combs, 5s. 6d. doz., good sample 3s. 18s. 6d.; 12 doz. packets Kanok Razor Blades; 9 doz. 7.O.C. Blades, 5s. 1d. Valet. Best offers, T. A., 126 Stephendale Road, Fulham, S.W.

ON Sale, a steam-jacketed Oscillating Pan; capacity 3 qrs. to 12 cwt.; suitable for sugar-coating pills, confectionery, etc.; in perfect condition. Apply 16/18, Office of this Paper.

TWO large Counter Showcases for Sale, in splendid condition; 6 ft. by 17½ ft., 5 ft. by 17½ ft.; mahogany, mirror backed, bent glass, four trays each. Offers (call or write), James, Chemists, 13 Crownhill Road, Harlesden, N.W. 10.

AGENCIES.

SPECIALTY Salesman seeks Agencies from Live firms; first-class experience; London and Provinces. Apply 2/50, Office of this Paper.

PRACTICE WANTED.

LONDON Medical Graduate, completed war service, with recent Hospital and private experience, would like to hear of opening for non-Dispensing and non-Panel Practice within easy distance of London or seaside. Address, in confidence, "Chemist" (21/26), Office of this Paper.

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NO CHARGE TO PURCHASERS.

1.—SOUTH COAST.—First-class Retail and Dispensing Business; in same hands many years; retiring; returns about £900; commanding position; plenty of scope in energetic hands; attractive Pharmacy; well stocked; price simply valuation; no goodwill.

2.—OXON (Death Vacancy).—Old-established good-class country Business in centre of large agricultural district; quite unopposed; returns £1,350; net profit £367; good house and garden; well stocked shop; price about £900.

3.—LANCS.—Sound Cash Retail, within three miles of Bury; present returns about £1,000; no panel; wine licensee; very low rent; same hands many years; population 7,000; good chance for smart man; price £400, or offer.

4.—CITY (Death Vacancy).—High-class Dispensing and Retail in splendid position; returns average about £30 weekly under management; plenty of scope; price for quick sale simply valuation, about £650.

5.—SOUTH LONDON (Close to City).—Brisk Cash Business for disposal; returns nearly £40 a week; good profits; splendid corner position in busy main road; fully stocked; good modern premises; price £500; and stock at valuation.

6.—LONDON (Surrey Suburb).—Good-class Retail and Dispensing Business in good position; returns £1,800; net profit nearly £450; books well kept; very convenient house; price about £900.

7.—LONDON, W.C.—Profitable Cash Retail, increasing; returns, under Manager, £1,050; net profit £300; low rent; good position and well stocked; price £450.

8.—LONDON SUBURB, S.E.—Well-established Cash Retail; very profitable, and scope for increase; returns £540 under Manager; net profit £250; price £300, about value of stock and fixtures.

STOCKTAKINGS.

We are now booking dates for October, and appointments should be made early to avoid dates clashing. Terms sent on application, 45 years' practical experience.

SALES BY AUCTION.

LONGLEY & ANDERSON will sell by auction on October 9th, at 1 o'clock, at their Sale Rooms, Epsom. 2 H.P. Electric Motor and 20 gall. Emulsifier, with shafting pulleys, etc. (nearly new); water jacketed, and suitable for any liquid mixing; also Stocks and Dies. Offices, High Street, Epsom.

TENDERS.

GUY'S HOSPITAL, S.E. 1.—The House Committee invite Tenders for the supply of Drugs for prompt delivery. A list of these, with further particulars and form of Tender, may be obtained on application at the Superintendent's Office. Tenders, duly sealed, are to be sent to the Superintendent's Office not later than twelve noon on Monday, October 7th, 1918.

BUSINESSES WANTED.

VINEGAR PLANT AND FIXTURES.—Wanted to buy, small Plant, or perhaps going concern. Write 185/160, Office of this Paper.

WANTED, high-class Pharmacy in provincial town or seaside, returning at least £1,600 per annum. Reply with fullest particulars to "Semper Paratus," 31 Hemberton Road, Clapham, S.W. 9.

EX PRIZE COURT SALE.

MESSRS. TOPLIS & HARDING, in conjunction with Messrs. ROBERT McTEAR & CO., will SELL BY AUCTION, at the Trades House, Glassford Street, Glasgow, on THURSDAY next, October 3, at One o'clock, a large quantity of

CHEMICALS AND DRUGS,

including 475 Boxes Antipyrin, 400 Bottles Theobromine, 150 lbs. Essence of Eau de Cologne. Also a large quantity of

DENTAL AND MEDICAL INSTRUMENTS AND MATERIALS,

comprising 12,000 dozen Dental Burs, Optical Glass Sheets, 275 Boxes of Drawing Instruments, Gastroscope, 50 Sets Druggists' Weights, Gelatine Duplicators, 475 Boxes Antipyrin, 400 Bottles Theobromine, etc. etc.

Goods on view two days prior and on morning of Sale, at the Trades House, Glassford Street, Glasgow.

Catalogue of the Auctioneers, Messrs. Robert McTear & Co., Royal Exchange Sale Rooms, North Court, 28 Old Jewry, London, E.C. 2.

SITUATIONS OPEN.

RETAIL.

BARNES, LONDON, S.W.—Lady Assistant wanted for good-class Dispensing and Retail business; some Pharmacy experience necessary; salary £2. Apply, stating usual particulars, to Feltwell & Son, 90 Church Road, Barnes, S.W. 13.

BIRMINGHAM.—Wanted, a lady Assistant; qualified or unqualified. Reply, stating age, previous experience, and salary required, to Izon, 86 High Street, Aston.

BIRMINGHAM.—Wanted, lady Assistant with general and Dispensing experience. State full particulars, experience, and salary required to "A. M." (20/392), Office of this Paper.

BRISTOL.—Qualified Manager required for medium-class Retail, with N.H.I. Dispensing; business is adequately staffed, and the position affords good prospects. Please give full particulars in first letter to Stokes, Chemist, 31-35 Lower Castle Street, Bristol.

BRISTOL.—Wanted, a good all-round unqualified Assistant; ineligible or discharged. Apply, giving usual particulars, to Chandler & Son.

BUXTON.—Unqualified Assistant (lady or gentleman) wanted for good-class business; outdoors; short hours. Please state age, previous experience, and salary required to W. T. Young, Pharmacist, Spring Gardens, Buxton, Derbyshire.

CAMBRIDGE.—Lady Assistant (Hall) required for good-class Dispensing business. State salary, etc. S. F. Barker, 46 Chesterton Road, Cambridge.

CARDIFF.—Outdoor Counter Assistant required immediately; good wages and commission to suitable man. Duck & Son, St. John's Square.

CORNWALL.—Qualified Assistant, lady or gentleman (if ineligible), to manage branch in country market town; outdoors; easy hours; permanency. Send usual particulars to W. E. Pilgrim, Pharmacist, Falmouth.

COVENTRY.—Wanted (at once), unqualified Assistant, lady or gentleman (if ineligible), outdoors, for Dispensing and Retail business; good salary. Wetton, Chemist, White Street, Coventry.

ECLES, NEAR MANCHESTER.—Wanted, unqualified Junior; lady or gentleman; good-class Dispensing business; convenient for Manchester schools, for which arrangements could be made to attend part-time. Woodhead, Chemist, Ecles.

GODALMING.—Junior Assistant; unqualified; ineligible for G Army; capable Dispenser. State full particulars and salary required (outdoors), Mather, Pharmacist, Godalming.

HASTINGS.—Discharged soldier, with first-class Dispensing and Retail experience, required in Dispensing and Retail business. Kindly state references, salary required, and enclose photograph (vacancy now open), Neve & Co., Proprietor Harold E. Skrymc, 12 Wellington Place, Hastings.

HOYLAKE.—Assistant (lady or gentleman); outdoors; first-class Dispensing; no N.H.I.; half-day weekly. Apply, with particulars and salary required, to W. H. Jennings, Hoylake, Cheshire.

HULL.—Wanted, Assistant (outdoors); used to good-class Retail and Dispensing business. Send full particulars, age, reference, and salary required, S. T. Kirton, Chemist, 53 Savile Street, Hull.

LEEDS.—Qualified lady Assistant for Retail and Dispensing department. State age, experience, salary required, and when disengaged, Reynolds & Branson, Ltd., Leeds.

LIVERPOOL.—Experienced lady Assistant for city business. State usual particulars to "Progress," c/o Evans Sons Lesher & Webb, Ltd., Hanover Street, Liverpool.

LANELLY, SOUTH WALES.—Assistant for Counter, etc.; Dispensing experience preferred; suit young lady. State full particulars, salary, etc., Henderson, Pharmacist.

LONDON.—Junior (unqualified), male Assistant, or Stockkeeper; part-time assistance would be entertained; badge or ineligible. Apply 186/13, Office of this Paper.

LONDON, E.—Lady (Hall) or male (Minor), discharged, or ineligible, wanted mornings and evenings for Doctor's Surgery. State salary and references to "J. D." (20/16), Office of this Paper.

LONDON, N.—Unqualified, discharged or ineligible, for Cash Retail and Dispensing; outdoors. State full particulars and salary required, or call, "H." 35 Junction Road, N. 19.

LONDON, N.W.—Experienced Assistant required; accurate Dispenser; good general knowledge of middle-class business; N.H.I.; outdoors; no Sunday duty. Apply A. Hodgson, Chemist, 3 Millbrook Place, Harrington Square, N.W. 1.

LONDON, S.E.—Qualified Chemist, lady or gentleman, as Manager; Dispensing department; capable and accurate. Apply, stating references, salary, etc., Chemist, 77 High Street, Croydon.

LONDON, S.W.—Assistant wanted, with good knowledge of Dispensing. Please state experience, when disengaged, and salary expected, the latter being according to ability, 21/25, Office of this Paper.

LONDON, W.—Unqualified Assistant, chiefly for Dispensing and Stock; quick Store trade; outdoors; hours 8.30 to 8 p.m., 9 p.m. Saturdays, 1 p.m. Thursdays, alternate Sunday duty 6 p.m. to 8 p.m., 1½ hours off for meals daily. Full particulars to "Manager," Needhams, Ltd., Cash Chemists, 297 Edgware Road, W. 2.

LONDON, W.—Junior Assistant for a Dispensing business; two Assistants kept. W. McEwen, 17 Craven Road, Paddington, W. 2.

LONDON, W.—Required, a steady, up-to-date, all-round Assistant for permanency; outdoors; good Counterman essential; qualification unnecessary provided otherwise competent. W. V. Wright, Ltd., 25 Broadway, Hammersmith.

MANCHESTER.—A gentlemanly Assistant required for the Retail Counter of a high-class business. State experience, age, and salary required, 185/75, Office of this Paper.

MANCHESTER.—Junior Assistant (qualified or unqualified) for high-class Pharmacy. Give full particulars and salary required. Westmacott & Son, 17 Market Street.

MANCHESTER.—Experienced lady Pharmacist or Apothecaries' Hall required for Dispensing and Counter. Please state full particulars and salary required to 22/37, Office of this Paper.

MANCHESTER.—Now or in a few weeks' time, smart, up-to-date, ineligible, unqualified Assistant, chiefly for Counter in good-class business in the centre of Manchester; satisfactory references required; commencing progressive salary £3 per week. Apply 22/1, Office of this Paper.

MANCHESTER DISTRICT.—Elderly qualified required; good Dispenser; state age, salary, and references; permanency if suitable. Apply 18/7, Office of this Paper.

MANCHESTER DISTRICT.—Assistant wanted; ineligible. State usual particulars and salary required, R. Needham, Chemist, Stalybridge.

MIDLANDS.—Qualified Assistant wanted as Substitute; hours 8.30 a.m. to 8 p.m., Thursdays 1 p.m., Saturdays 9 p.m., alternate Sundays 6 to 8 p.m. State salary and when disengaged to 18/38, Office of this Paper.

MIDLANDS.—Qualified Chemist required in good-class Retail business, chiefly for Dispensing; low category man preferred if energetic, or qualified lady with Retail experience. Apply, stating full particulars, to 22/25, Office of this Paper.

NORFOLK.—Qualified Assistant required for Agricultural and Dispensing business. Particulars of salary and experience to Gostling & Co., Diss.

OXFORD.—Wanted, a lady Assistant, must be a good Dispenser, for high-class Retail and Dispensing. Apply with full particulars and salary required (outdoors), Cousins, Thomas & Sons, Chemists, 63 Banbury Road, Oxford.

RICHMOND, SURREY.—Lady Assistant wanted for Counter: good-class trade; comfortable hours. Apply personally, or by letter, Coppen Bros., Ltd., 12½ Carey Street, Vincent Square, Westminster, S.W.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd, Chemists, Portsmouth.

SOUTHAMPTON.—Assistant wanted; age 22 to 34; accustomed to smart Retail Business with Photography; wages commencing £4 a week. Apply Martin, Chemist, Southampton.

SOUTHSEA.—Lady Assistant required, chiefly for Dispensing, with Hall qualification or other experience; outdoors. Apply, giving usual particulars and salary required, etc., Arnold & Sons, Southsea Pharmacy.

SURREY.—Wanted, unqualified Assistant for Light Retail and Dispensing business; rejected or discharged from Army. State experience and salary required, "W." (20/2), Office of this Paper.

SURREY.—J. Wearing, Pharmacist, Woking. If any Assistant needs a real good berth where liberal salary and good prospects are shown (two Assistants kept), let him apply immediately. Phone No. 164.

TORQUAY.—Lady Assistant (qualification not essential) required at once for high-class business; no N.H.I. State age, experience, references, and salary to C. Sloane, 282 Union Street, Torquay.

WEST OF ENGLAND.—Wanted, Assistant Dispenser, lady recently qualified would do, to take second place at Dispensing Counter, price Prescriptions, and do Clerical work. Please give full particulars, with salary required and experience, if any, to 19/5, Office of this Paper.

WEST RIDING.—Young lady Assistant required for Light Retail and Dispensing business; comfortable permanency; State age, Dispensing experience, and when at liberty, "W. R." (20/39), Office of this Paper.

YORKSHIRE, WEST RIDING.—Elderly qualified man required; very easy hours; light duties; permanency if desired. "L. M." (20/391), Office of this Paper.

ASSISTANT (qualified) wanted; lady or gentleman; latter must be exempt; easy work; assistance given. State salary required, Forster, Castle Street, Dover.

ASSISTANT required after November 1st; outdoors; ineligible or low category. Apply, stating age, experience, salary, etc., to H. W. Beale, 17 South Norwood Hill, S.E. 25. Phone: 310 Croydon.

ASSISTANT wanted for good-class provincial business; easy hours, no Sunday duty; salary £3 per week and house. Apply 23/16, Office of this Paper.

CAPABLE Assistant by October 21st. Full particulars to Frank Rye, 119 Poole Road, Bournemouth West.

CHEMIST-OPTICIAN (qualified preferred) seeking permanency; exceptional opportunity for good man possessing energy and initiative in both departments; personal interview at our expense; we can prove the advantages of our offer and invite replies from men who mean business. Reply Body, "Penkivel," Rayleigh, Essex.

COUNTER.—Unqualified lady Assistant for Front Counter; good-class country Retail; comfortable berth; short hours, no Sunday duty; outdoors; two ladies already in shop. Apply, stating full particulars and salary, Fred. E. Hunt, New Street, Wellington, Salop.

DISCHARGED or exempted; qualified or unqualified Junior; every consideration and encouragement to competent man; personal interview at our expense; we require nad can give satisfaction. Reply Body, "Penkivel," Rayleigh, Essex.

DISPENSER wanted for Accrington Medical Dispensary; qualified under Insurance Act. State terms to J. T. Sinthurst, 11 Westwood Street, Accrington.

DISPENSER wanted for high-class Dispensing business; staff twelve; good salary. Apply "Mistura" (21/36), Office of this Paper.

DOCTOR requires Dispenser (at once); morning and evening Surgery; state experience and salary. Replies to be addressed to 23/3, Office of this Paper.

ELDERLY Pharmacist or disabled man, discharged from the Army, required for very light and congenital duties; only a few hours daily; qualified preferred, but not essential, if experienced in good-class business. Apply, giving full particulars, references, and salary required, to G. H. Gare, M.P.S., Pharmaceutical Chemist, Lymington, Hants.

GOOD Shorthand Typist required in Chemical Merchants' office; age about 20; one with experience in Chemical trade preferred. Write full particulars to 186/61, Office of this Paper.

IMMEDIATELY.—Experienced Assistant required; accurate Dispenser; good general knowledge of middle-class business; N.H.I.; outdoors. Apply Lloyd, St. John's Hill, Clapham Junction.

JUNIOR Assistant, unqualified, lady or gentleman, the latter ineligible or discharged, for Light Retail and Dispensing, with Post Office; outdoors. G. Danney, 6 Nugent Terrace, St. John's Wood, N.W. 8.

JUNIOR wanted for high-class Dispensing business; Counter Photography; outdoors; good references; lady or gentleman. Rose, Boscombe Pharmacy, Bournemouth.

LADY Dispenser required; outdoors; good salary given. Particulars of experience, etc., to Ames & Ashworth, Church Street, Weybridge.

LADY Assistant required; accustomed to first-class Dispensing and Retail; outdoors; reasonable hours; other ladies employed. G. Peck & Son, Pharmaceutical Chemists, Cambridge.

LADY (qualified) to manage branch in suburban village; no Sunday duty. State salary required and experience to Radix (21/150), Office of this Paper.

LOCUM wanted for about two weeks towards end of October. Full particulars to Seamount, 125 Hindehurst Road, Bournemouth.

LOCUM (qualified) for one week from Monday next; £4; out-doors. Fife, 366 Richmond Road, E. Twickenham.

MANAGER (qualified) required for good-class Retail and Dispensing business in Yorkshire country town; preferably with view to purchase on easy terms. Address 19/36, Office of this Paper.

MANAGER, qualified, to manage branch; must be active, up to date, and used to store methods; £4 per week. Apply "Holborn" (19/2), Office of this Paper.

MANAGER wanted; qualified or unqualified; outdoors; ineligible; knowledge of Photography and Optics a recommendation; salary up to £5, according to ability; no Sunday or evening duties. Apply E. R. Dixon, Chemist and Optician, Lincoln.

MANAGER, qualified, discharged or ineligible, easy hours, no Sunday duty, to live over shop; permanency to suitable man. Apply, stating age, salary required, experience, "K." (21/15), Office of this Paper.

MATHEWS & BARRETT, of 68 Queen's Gardens, Paddington, require a qualified Assistant with good Dispensing experience.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

PART-TIME Assistant (gentleman); London, N.; hours can be mutually arranged. Apply 22/35, Office of this Paper.

QUALIFIED Assistant, lady or gentleman (if latter ineligible), for Dispensing Counter. Apply, giving full particulars of previous experience, to Roberts & Co., 76 New Bond Street, W. 1.

QUALIFIED Assistant wanted (shortly); one with previous good Dispensing experience preferred; a senior post if experience warrants. Please give fullest list of particulars to Frank A. Rogers, 327 Oxford Street, W. 1.

STEELE & MARSH, Dispensing Chemists, 6 Milsom Street, Bath, require an Assistant Dispenser with good experience. Apply, with full particulars, to David A. Evans, M.P.S.

SURGICAL INSTRUMENT BUSINESS.—Assistant for Shop Counter; state age, other duties accustomed to, and wages expected. Reply "Surgical," Lee & Nightingale, Liverpool.

THE LORD DERBY WAR HOSPITAL, WARRINGTON.—Wanted, Temporary Dispenser (female); must be fully qualified; salary £52 per annum, with board, lodging, and washing. Applications, stating age, experience, qualifications, and enclosing references, should be sent to the Administrator at once.

UNQUALIFIED Junior Assistant required, Counter experience necessary, for good-class Retail trade. Apply, with full particulars, to S. W. Dawson, 56 Knights Hill, West Norwood, S.E. 27.

UNQUALIFIED Assistant wanted for Dispensing and Counter; National Insurance; permanency; in- or out-doors. State full particulars, with salary required, 186 Mare Street, Hackney, E. 8.

UNQUALIFIED Assistant, with good experience in the Retail, required for the Stocktakers' department of a large firm of Chemists (Retail); single man preferred; permanency, with excellent prospects. Apply 20/390, Office of this Paper.

WANTED on South Coast, qualified Manager for Dispensing and Retail department. Apply, stating reference and salary required, to 13/34, Office of this Paper.

WANTED, qualified Branch Manager; good-class London suburb; excellent prospects for a suitable applicant; state usual particulars, salary expected, etc. Reply 19/35, Office of this Paper.

WANTED, an experienced Assistant Dispenser (lady) at a Voluntary Hospital in Manchester; Minor qualifications; with board and residence. Address, stating salary required, age, and full particulars, with copies of not more than three testimonials, to 185/68, Office of this Paper.

WANTED, unqualified Locum from October 7th for a few weeks; state salary required; Staffordshire; both qualified and unqualified assistance. Apply 23/37, Office of this Paper.

WANTED, qualified Assistant in eastern part of City; must be reliable, sober, etc.; five rooms over shop, or, if preferred, outdoors; state salary required; 9 to 8, close Thursdays. Also part-time Assistant. Apply 23/36, Office of this Paper.

WHOLESALE.

MANCHESTER.—Wanted, men with experience of Wholesale Drug trade; Wets, Drys, and Manufacturing. State age, any particulars, and wage required (in confidence), 22/38, Office of this Paper.

ASSISTANT Forewoman; supervise packing Toilet and Medicinal lines; practical worker with experience of control. Full particulars in confidence, and remuneration required, 23/39, Office of this Paper.

ANALYTICAL LABORATORY.—Assistants wanted; must be conversant with Volumetric work and preferably have knowledge of Pharmacy; £90 to £130. Box 661, Smith's Agency, Ltd., 100 Fleet Street, E.C. 4.

AGENTLEMAN of initiative and ability to act as Assistant Manager in development of Compressed Tablets, Toilet preparations, and Packed Goods department of Wholesale house; a permanent and progressive position, with commencing salary £200 to £300, according to ability offered; suitable ineligible or discharged applicant; Midlands. Apply 186/55, Office of this Paper.

AGENTLEMAN for Wholesale Druggists, London, about 35, ineligible, of first-class experience both in Office and Warehouse, for supervising, chiefly the latter; liberal salary and good prospects. Write with full particulars, stating qualification, if any, 188/13, Office of this Paper.

CHEMISTS (Manufacturing).—Man required for Warehouse; accustomed to handling Essential Oils (weighing and filling, etc.). Apply, personally or by letter, to Stevenson & Howell, Ltd., 95a Southwark Street, S.E. 1.

LADY Invoice Clerk wanted; also Cellar Hand. State experience and wages required, Gale & Co., Ltd., 15 Bouvierie Street, E.C. 4.

LADY; experienced in Surgical work; able to measure for Belts and Stockings. Apply by letter, giving full particulars, including age and salary required, to Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.

LADY, with Chemical knowledge, Hall qualification preferred, to assist in Works Laboratory at Stratford, London; permanency. Write, stating age, experience, and salary required, to Z. W., 620, care Deacon's, Leadenhall Street, E.C. 3.

PILL and Tablet Under-Manager required; ineligible. Apply Potter & Clarke, Ltd., 60-4 Artillery Lane, London, E. 1.

SENIOR Invoicing Clerk required by Wholesale Druggists; responsible position with good prospect; previous experience in pricing a recommendation. Full particulars to 187/50, Office of this Paper.

TABLET Maker or Granulator wanted; Liverpool; permanent post; good salary. Apply 137/18, Office of this Paper.

TRAVELLER for Surgeon's Wholesale in Lancashire and Midlands; preferably one accustomed to call on Veterinary Surgeons. State experience, salary, age, etc., to W. H. Legat, Manufacturing Chemist, Bolton.

TRAVELLER wanted, with good connection, to take up Bath Tablets, Face Powder, and Hair Cream as a side line. Apply by letter in the first instance to H. Johnston, Brabant Court, 8 Philpot Lane, E.C.

WANTED (at once), a Junior Assistant for the Wet Counter. Apply, stating experience and salary required, to Lofthouse & Saltmer, Ltd., Market Place, Hull.

WANTED, Representative for London; Midlands and Ireland; well introduced with the Wholesale trade of Chemical and Pharmaceutical products; offers useless without first-rate references. Chemical Works Madoery, Ltd., Basle, Switzerland.

WANTED to correspond with man understanding Vinegar manufacture. Write 185/16, Office of this Paper.

WANTED, a fully-qualified Assistant Manager for a first-class house in the West-End; one able to take such a position will be liberally dealt with; plenty of prospects for advancement. Apply 12/4, Office of this Paper.

WANTED, experienced Tablet Machinist. Apply W. B. Cartwright, Ltd., Tablet Makers, Rawdon, near Leeds.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

JAPAN.—Wanted immediately, an Assistant (qualified preferred) in a first-class Chemist's business at Kobe; easy hours; four years' contract; passage paid out and home; must be ineligible for the Army. Send for full particulars, with photo, to J. W. Franklin, 28 Alleyn Road, London, S.E. 21.

PARIS.—Competent Dispenser; qualified preferred; male or female; outdoors; no Sunday duty. Write, giving particulars of age, experience and salary required, and enclose photo if possible, Roberts & Co., 5 Rue de la Paix, Paris.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]

RETAIL.

A.A.—Pharmacist (woman); free Tuesdays, Thursdays, Saturdays 2-6; Dispensing; S.E. or City. Rennie, Women's Hostels, Well Hall Road, Eltham, S.E.

ASSISTANT; 32; Grade 3; abstainer; 16 years' present situation; disengaged one month; good-class store experience; good references; state salary; permanency; London preferred. Apply 18/12, Office of this Paper.

ASISTANT; locum or permanency; mixed trade; lifelong experience in Dispensing, Prescribing, also Extracting; over military age; married; disengaged. Dispenser, 57 Lichfield Road, Bow, London, E. 5.

ASISTANT; unqualified; eighteen years' all-round experience with Chemists and Doctors; *qualified in America*; whole or part time. Address "Indian," 12 Torquay Street, Paddington, W. 9.

ASISTANT; lady; six years' experience; West-End reference; London or suburbs. Apply "X." (21 34), Office of this Paper.

ASISTANT; unqualified; above military age; London. Apply 22 2, Office of this Paper.

BACTERIOLOGY AND PHARMACY.—Lady (M.P.S.) desires post; good experience in both; excellent testimonials; free October 8th. Apply 20 15, Office of this Paper.

BOOKS posted up, balanced and audited, Income Tax returns, etc., prepared in spare time or evening by competent Accountancy Clerk and Bookkeeper. Reply Box 20 7.

CAPABLE, reliable, steady Assistant desires a London position; accustomed to manage, or keen store trading; disengaged in about one month; unqualified. Apply 20 36, Office of this Paper.

CHEMIST (elderly) requires berth as Manager; permanency; Minor qualifications; good Prescriber and Extractor; obliging, abstainer; good references. "Chemist" (11/23), Office of this Paper.

CHEMIST, recently own business, desires comfortable berth (with N.H.I.); exempt; salary secondary consideration; can commence duties at once; permanent or temporary. Apply 21/32, Office of this Paper.

COMPETENT Dispenser seeks situation; part-time; Chemist or Medical Practitioner. Apply 22 32, Office of this Paper.

DISCHARGED, qualified, 28, abstainer, as Manager or position of trust; best experience and references; disengaged November 1st. Apply 21/18, Office of this Paper.

DISENGAGED immediately, woman Dispenser (Hall); part-time; could arrange hours; twelve months' experience; London, N.W., or W., or near. Apply 22 3, Office of this Paper.

DISPENSER; qualified woman; experienced; linguist; care of books and instruments; disengaged October 20th. Address 19/6, Office of this Paper.

DISPENSER, holding permanent Hospital Dispensership, desires few hours evening duties with Chemists or Doctors; thoroughly experienced in high-class and N.H.I. Dispensing; North London preferred. "Vox" (21 120), Office of this Paper.

DISPENSER-BOOKKEEPER.—Post required by young lady; experienced in Hospital and Doctors' Dispensing; East Midlands preferred. T. J., 80 Charles Street, Newark.

ELDERLY Pharmacist; locum; varied experience; good references. "M.P.S." 8 St. James Road, Southampton.

EVENING Dispensing required by lady with Pharmacy experience, studying for Minor Hall certificate; excellent testimonials. Apply 21 21, Office of this Paper.

EXPERIENCED Pharmacist requires responsible position as Manager; capable of sole control over middle-size or large business; first-class Confectioner and a shrewd buyer; Window-dresser with modern ideas; quick and accurate Dispenser if necessary; of good appearance, birth, and education; young and active; excellent character; offers of over £300 per year only need reply. Apply 187 4, Office of this Paper.

HOSPITAL Dispenser, completed three years' Apprenticeship in London, desires change for experience; highest references. "Veritas" (21 12), Office of this Paper.

LADY, L.P.S.I., desires post; excellent references; good all-round experience. Apply 20 9, Office of this Paper.

LADY Dispenser, Hall experienced, requires post in London; Hospital or Doctor preferred. Address Headley, Hopkinson House, 88 Vauxhall Bridge Road, London, S.W. 1.

LADY Dispenser (Apothecaries' Hall) requires post; West of England preferred; Doctor or Chemist. Miss Higgs, 43 Park Road, Gloucester.

LADY Minor desires evening work; Hospital shop (Dispensing only); also Saturdays, Sundays. Apply 23/38, Office of this Paper.

LIVERPOOL OR DISTRICT.—Pharmacist, first-class experience, free for engagement (shortly) as Manager; competent Salesman; dependable references; married; exempt from military service; locum entertained, but permanency preferred; prompt replies requested. Apply 22 21, Office of this Paper.

LOCUM, over 30 years' wide experience, Pharmaceutical, Hospital, etc., qualified, disengaged October 7th. M. Smith, 238 Prince Regent's Lane, Plaistow, E. 15.

LOCUM or Manager, over military age, disengaged shortly; active worker; qualified; experienced. Chemist, Parkholme, Beaconsfield Road, Chelton-on-Sea.

LOCUM or permanent; unqualified; age 50; native, not afraid of work; disengaged. "Aspirin," 1 Gillingham Street, Victoria.

LOCUM.—Lady Dispenser or Assistant (Hull) free middle of October. M. Pole, 61 Plaistow Lane, Bromley, Kent.

LOCUM, disengaged October 5th, or Manager; wide experience; highest references. "Aspirin" (23 12), Office of this Paper.

LOCUM (qualified) disengaged for fortnight from October 12th. 2 Elmwood Gardens, Acton, W.

MANAGER; unqualified; over military age; native and energetic; exceptional Dispensing experience; good Counter-ian; knowledge Photography and Dentistry; steady, all-round knowledge. Please give particulars of hours and salary offered. Chemist, 15 Pansy Street, Kirkdale, Liverpool.

MANAGER, qualified, leaving position held last five years, wishes to recommend a good man for the position; salary £5 10s.; short hours; permanency; house if required. Full particulars to G. K. Robinson, 164 Infirmary Road, Sheffield.

MANAGER, qualified, 30, ineligible, energetic, trustworthy, West-End experience, excellent references, desires position of responsibility in City or West End; future partnership or succession would be considered; interview solicited. Apply 21 16, Office of this Paper.

MANAGER (qualified) desires position; Dispenser and Prescriber; good all-round experience. Apply 23 13, Office of this Paper.

MANAGER or Locum; 49; exempt; energetic, experienced, reliable; London permanency preferred; entertain easy succession; unregistered. Address "Statim," 77 Abbeville Road, Clapham, S.W.

MANAGER; resident London; permanency; qualified; abstainer; disengaged October 12th. Chemist, 18 Birkbeck Road, Acton, W.

MANAGER-DISPENSER; qualified; good-class business; thoroughly reliable; please state salary. Apply "N. H." (22 12), Office of this Paper.

MANAGEMENT by qualified, active, elderly man; good Counter-man, Dispenser, and Prescriber; accustomed to sole control; London or suburbs; disengaged October 7th. Address 21 13, Office of this Paper.

MANAGERSHIP (temporary); no N.H.I.; disengaged October 2nd. "Major," 22 Swarthmore Terrace, Thornaby-on-Tees.

PART-TIME, qualified, experienced, for Saturday and Sunday evenings. Apply 20 10, Office of this Paper.

PHARMACIST (young) desires change; Manager or Assistant; plenty of scope; good salary; short hours essential. Please apply to 20 37, Office of this Paper.

QUALIFIED Pharmacist (Grade III.) seeks position in Manchester district; familiar with N.H.I. Apply 19 33, Office of this Paper.

QUALIFIED Locum; branch; part-time. Chemist, 26 Telford Road, Westbourne Park, W.

QUALIFIED Manager or Locum; good experience and references; London or South preferred. Apply 18 13, Office of this Paper.

QUALIFIED; 46; ineligible; Manager or Dispensership. Barker, Chemist, Woodbrook, Oldham.

QUALIFIED, 24, exempt, seeks situation in or round Exeter; good Dispenser and Confectioner. State full particulars, first letter, Goldberg, Feniton, near Honiton.

QUALIFIED Pharmacist, experienced, ineligible, seeks position as Manager or principal Dispenser; London or S.E. district. "M.P.S." (23 4), Office of this Paper.

QUALIFIED (45) seeks light situation; London preferred; disengaged October 1st; permanent or otherwise. Apply 23 35, Office of this Paper.

QUALIFIED desires branch; 44; married; references sound; results assured; seaside preferred, not essential. "Advance" (22 16), Office of this Paper.

SUBSTITUTE, London area (at once); 45; qualified. Apply 8 35, Office of this Paper.

UNQUALIFIED; 24; good-class experience; Dispensing, Counter, and Photography. State full particulars, salary, hours, etc. (Northern Counties preferred), 22 13, Office of this Paper.

YOUNG lady seeks engagement with Retail Chemist (London only); four years' Confectioner experience; no Dispensing. L. C., 761 Garratt Lane, S.W. 17.

YOUTH (18) requires post as Improver; in or near Bournemouth; month preferred; four years' experience; good reference. T. S., 266 Holdenhurst Road, Bournemouth.

WHOLESALE.

A8 General Warehouse or Departmental Manager; thoroughly experienced, including manufacturing and buying; age 45; present post as Manager 14 years; excellent references. Apply 21 35, Office of this Paper.

ADVERTISER requires position as General Manager or otherwise; sound organiser, administrator, and accountant; accustomed to large Factory and Offices; wide commercial experience; last employ 14 years, General Manager and Director; extensively advertised Toilet preparations; disengaged; salary £500. Apply 12/21, Office of this Paper.

MANAGER and Buyer, age 33, Grade 3, with first-class knowledge of the trade, seeks position; is a capable organiser, with a good knowledge of manufacturing and working formulae; has also had an excellent commercial education and experience. Apply 19/4, Office of this Paper.

QUALIFIED, 23, ineligible, with some experience in Food and Drug Analysis, requires post with Manufacturing Chemists or Laboratory. Apply 21/22, Office of this Paper.

TRAVELLER; young, smart, extensive connection; all Wales, Shropshire, Herefordshire, Cheshire, and Lancashire; disengaged; highest references; discharged H.M. Forces. Apply 18/39, Office of this Paper.

SITUATION required; Chemist and Drug Stores or Wholesale Druggists; labelling and packing shop stock, Drugs, Perfumery, Sundries; female; or charge of small staff of girls; City or East suburbs; good references. Apply 21/17, Office of this Paper.

WORKS Manager or Technical Supervisor desires early appointment; Drugs, Chemicals, Essences, Extracts; knowledge of modern manufacturing methods and plant; salary £350. "Institute" (22/31), Office of this Paper.

MISCELLANEOUS.

FOR Sale, 37 large Liq. Stoppered Bottles, 10 small Liq. Stoppered Bottles, 18 large Pdr. Stoppered Bottles, 17 small Pdr. Stoppered Bottles, 12 large Oint. Jars, 8 small Oint. Jars, 28 lb. Epsom Salts. Apply G. A. Scrimgeour, Solicitor, Portsoy, Banffshire.

HAVING secured, under exceptional circumstances, larger quantities of following French preparations than own trade requirements, willing spare about 12 dozen each Globeole, Fandérine, 25s. diz.; Fodolose, 20s.; Urodonal, 35s.; Laetool tablets or granulated, 50s. gross tubes; 30 dozen Phenalgin. What offers per ounce? Above all sound u/s for dispensing. Cash with orders, Evans, Manufacturing Chemist, 158 City Road, Cardiff.

TO clear, 35,000 $\frac{1}{4}$ gr. Saccharin Tablets; guaranteed full strength, 330.1: £28. Apply 16/26, Office of this Paper.

TWELVE 40-gall. Brls. Liq. Cresol. Saponat. (similar to Lysol), 4s. 6d. gall.; eight 40-gall. Brls. Acid. Cresylic. (Acid. Carbolic. Comm.), 2s. 9d. gall.; barrels free. Apply 186/69, Office of this Paper.

50,000 ASPIRINS; best make; 1,000 lots, 14s. 6d.; 5,000 at 14s.; clear the lot, £33; cash with order. Woolhouse, Chemist, Huddersfield.

200 GROSS small Ointment Tins (job line), 6s. 6d. gross; 10 gross lots, 6s. gross. Apply 187/5, Office of this Paper.

25 LB. 550 Saccharin, 40c. 6d. per lb.; $\frac{1}{2}$ gr. in 1 Saccharin Tablets, 22s. per 1,000, or 150s. per lb.; $\frac{1}{2}$ gr. in 1; 16s. per 1,000, or 110s. per lb.; 100s. 24s. per doz.; C.W.O., immediate despatch. Henning, Medical Hall, Larne.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C. 1.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

EXCHANGE COLUMN.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

YEARBOOK of Pharmacy, 1874 to 1901; any offers. Geo. McGregor, Chemist, Ellon, Aberdeenshire.

DENTAL.

SEVEN Celluloid Full Upper Showpieces. R. Lamb, 123 West End Lane, London.

DENTAL Chair for Sale; £5; in good condition. T. A., 126 Stephendale Road, Fulham, S.W.

DRUGS AND CHEMICALS.

WHAT Offers? 9 1-oz. tins Sugar of Milk, packed by Southall Bros. & Barclay; also 4 B Sparklet Syphons. Levis, Chemist, Banty.

12 LB. Camphor Flores; finest quality obtainable; sample packets; £2. 10s. the lot, carriage paid. Apply 21/30, Office of this Paper.

WHAT Offers? 3 Bots. (10d.) Soloids Mercuric Potassium Iodide 8.75 gr., 3 1-oz. Bayer's Salicylate of Theobromine Sodium, 1 oz. Protargol, 1 oz. Mesotan, 1 oz. Cresotan, 1 oz. Sujodin, 1 oz. Butyl-Chloral Hydrat. 6 oz. Sulphonal, 3 oz. Indigo, 8 1-lb. tins Sugar of Milk, 8 lb. Mercury. Turner, Pharmacist, Dumfries.

SODII Salicyl., 4 lb., 27s.; Acid. Salicylic., 2 lb., 11s. 3d.; Acid Citric Crystals, 5 lb., 17s. 6d.; Gum Tragacanth, finest, 5 lb., 36s.; Podo. Resin, 29s. lb.; Phenacetin, 24s. 6d. lb.; Hexamine, 9s. 6d. lb.; Ol. Foeniculi Dulc. Ang., 19s. lb.; Calomel, 7s. lb.; Vanillin, 4 oz., 15s.; Ceumarin, 12s. oz.; Medinol, 8s. 6d. oz.; Trional, 6s. oz.; 3 oz. Brilliant Green, 11s.; 2 oz. Zinc Valerian, 7s. 6d.; 1,000 P.D. Tab. Calomel, gr. v., 14s. 6d.; 1,000 Cascara, gr. v., 17s. 6d.; 5 100 Tabloid Sulphonal, gr. v., 17s. 6d.; Strychnine, 7s. 6d. oz.; Chloral Hydras Recryst., 15s. 6d. lb.; Otto of Rose Virg., 1 oz., £2.; Saffron Opt., 7 oz., 26s.; Ol. Croton., 1 lb., 6s.; Drugs, B.P., post free. Forryan, 40 Duncan Road, Leicester.

OPTICAL AND PHOTOGRAPHIC.

OPTICAL Trial Case, Frames, Lenses, Cases, and Sundries. Send for list, Duck, Chemist, Cardiff.

SHOP FITTINGS.

WINDOW Enclosure, 9 feet, with plate-glass shelves and mirrors; also 2 six-gallon pear-shape Carboys. Clarke, 19 Pear Tree Road, Derby.

MISCELLANEOUS.

SCALES to weigh 14 lb.; stamped; £1 1s. carriage paid. McCarthy, Ewood, Blackburn.

FOR Sale, 3 cwt. Spermacti Wax or part; sample on application. Reply "D," 85 Auckland Hill, West Norwood.

WANTED.

PULV. Nucis Arecae; any quantity. Kernick & Son, Ltd., Meira Terrace, Cardiff.

THIOLCOL Tabs. (5 gr.), stamped; Ointment Tins. McMullan, Chemists, Larne.

GAS Helmets or Gas Masks. State full particulars and price. Pierson Morrell, Barnet.

VACUUM Dryer required for Tablet making. "Armed" (21/31), Office of this Paper.

LIQUORICE Juice, Morph. Hydroch., and Quinine. State price. Forryan, 40 Duncan Road, Leicester.

BINOCULARS and Military Compass. Full particulars. Rushton, 10 Hall Green Parade, Birmingham.

RANGE of covered Shop Jars; 11 inches high. All particulars to Westmacott, Pharmacist, Manchester.

WILL'S Materia Medica, Pharmacy, and Analysis. with signature inside each, "Thomas Hale." Prices to 49 Reginald Street, Luton.

REQUERED, a good glass-lined Showcase of large size. Send particulars to A. Boake, Roberts & Co., Ltd., Stratford, London. (E.J.B.)

SUGAR of Milk (any quantity). State quality and price for cash against delivery. James, 13 Crownhill Road, Harlesden, N.W. 10.

TOOTH Paste Tube-filling Machine; give particulars and capacity and size, also mechanism, with price. Apply 17/21, Office of this Paper.

DENTAL Lathe or Lathe Head wanted. State price, particulars, etc., Edwardes, 43 Margravine Gardens, Baron's Court, London, W. 6.

COCOA Butter, Sweetened Milk, Cocoa. Sugar of Milk (any quantities). James, Chemists, 13-15 Crownhill Road, Harlesden, N.W. 10.

GARDNER'S Patent Rapid Sifter and Mixers for Dry Powders; also Patent Rapid Drying Machines. Lowest prices and particulars to 186/36, Office of this Paper.

LINSEED Liquorice and Chlorodyne, Bromptons, Bismuth, Throat Pastilles. State quantity and price delivered for cash. R. Pratt, 94 Canterbury Road, N.W. 6.

HINGED Gilt Tins for $\frac{1}{2}$ and 1 oz. lozenges; samples. Prices, "S.," 46 Cumberland Road, Acton, W. 3.

WANTED, 15-gr. Suppository Moulds. Lambert, Son & Watkins, 60 and 62 Queen's Road, Dalston.

4 OZ. 10 oz., 20 oz. W.M. Bottles for Emulsion: Káli preferred; 5 gross or so of each. Apply Cormack, Chemist, Blyth.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W. 4.

BIG prices paid for Stokes' or Colton Tablet Machines; Pill Machinery also wanted. Particulars to 78/58, Office of this Paper.

JOB Line Tins wanted, suitable for Boot Polish, etc. We are also buyers of Tin Plates, printed or plain. "Brytenup" Polish Works, Marsh Lane, Preston.

WANTED, a substitute for Spanish Earth or Clay, to be used as finings for Cordials, etc. The advertiser can use considerable quantities of a suitable article; silica is not suitable, neither is Kieselzehr. Apply with all particulars, to John Mullock, 36 Prescot Street, New Brighton, Cheshire.

SACCHARIN TABLETS

Guaranteed absolutely pure and soluble.

$\frac{1}{2}$ grain 330 in 1 grain. Made from finest American 550 Saccharin.

10,000 lots at 16/6 per 1,000 | Cash with order.
25,000 " 16/3 " Immediate delivery.
100,000 " 16/- " Registered post paid.

AUSTIN, Wholesale Chemist, Saltley, Birmingham.

WATSONS' OF SHEFFIELD

GIVE TWO-THIRDS Retail Price

for No. 1 Junior Kodaks and
No. 2 Folding Brownies and for
many other cameras.

Three-quarters Retail Price for ROLL FILMS of all kinds.

Out-of-date films bought for experimental purposes.

If you have anything photographic, cameras, apparatus or supplies you cannot sell, send it to us now. It will never be worth so much to you again.

Ask your nearest chemist friend if he was satisfied with the price we paid him. He'll tell you.

All remittances immediately and all goods returned CARRIAGE PAID at once, if required.

This is what a leading Pharmacist says of our business.

"Gentlemen,—

August 20th, 1918.

"I am obliged for your cheque in settlement of photographic goods recently sent you. I can only repeat my complete satisfaction with your methods, and although I do not expect an expression of opinion from a small business like mine is of any value. I hope you will refer to me if you have anyone in this district to whom such opinion would be of interest."

WATSONS', The Camera House,
Tel. No. 27. 84 High Street, Sheffield.

COTTON WOOL 2/2 per lb.

In 1 cwt. lots; 56 lb. at 2/2d. Carriage paid. Cash with order. Wrappers 3/6 extra, and are returnable. The wool is white, absorbent, and interleaved. Sample for stamp. Special price for bigger lots. Super quality at reasonable prices.

JAS. Q. MILLS, Chemist, Platt Bridge, WIGAN

Saccharin Tablets

Guaranteed $\frac{1}{2}$ grain 330 strength.

Price 140/- per pound, in 8-oz. & 4-oz. tins—7000 tablets to the pound. Remittance with order.

C. A. Royle & Co., 59 Royal Exchange Chambers, Leeds.

"HOLMIER" BRAND COMPOUND SACCHARIN TABLETS.

One is equal to a teaspoonful of sugar.

Made with American 550 Saccharin, @ 16/3 per 1000; 5,000 @ 16/-; 20,000 @ 15/6; 50,000 @ 15/- Net c.w.o. Immediate Delivery.

MEYER, Manufacturing Chemists, 98 COLMORE ROW, BIRMINGHAM.

SACCHARIN TABLETS.

Absolutely Pure and Soluble.

Made from finest Monsanto (American) Saccharin. In 1 lb. boxes containing 8,000, 15/6 per 1,000. Prompt delivery by registered post. Cash with order. Attractive Widow Bill enclosed.

WATSON & CO., Tablet Manufacturers, 8 ALBERT STREET, Loughborough.
Cheques to be crossed: Lodox City & Midland Bank, Loughborough.

4 GRAIN 330 SACCHARIN TABLETS.

Made from finest Monsanto (American) 550 Saccharin, and guaranteed absolutely pure and soluble.

| | |
|------------------------|-------------------------|
| 5,000 @ 15/- per 1,000 | 25,000 @ 14/- per 1,000 |
| 10,000 @ 14/6 " | 100,000 @ 13/6 " |

Registered post paid. Immediate delivery. Cash with order.
J. AUSTIN, Chemist, Alum Rock Road, BIRMINGHAM.

Saccharin Compound Tablets

(1 gr. in 1, or 1 $\frac{1}{2}$, 330 Monsanto).

| | | |
|-------|--------------------|----------------|
| 1,000 | 100,000 or 250,000 | 500,000 |
| 14/6 | 13/6 | 13/- per 1,000 |

Fizz'le in Cold Water. Scientifically manufactured.
10,000,000 Weekly Output. Cash with Order. Carriage Paid.

ROWLAND TRADING CO.

46 DOVER STREET, W. 1.



BEST BRITISH MAKE.

6x10 7x10 8x10 8x12 10x12
3/11 4/2 4/8 5/- 6/- ea.

(Special Discount for Quantities.)

Air Cushions, Enemas, Pessaries, Urinals (Rubber), Water Beds, Whirling Douche Sprays, &c., &c.

JAMES TOMPKINS,
LTD.

(THE RUBBER HOUSE),
386 City Rd., London, E.C. 1.

Established 41 years.

The Original Advertiser of

SACCHARIN TABLETS

$\frac{1}{2}$ gr. 330 in 1. Still leads and offers

| | |
|----------------------------|----------------|
| 1 lb. (average over 7,000) | £7 0 0 per lb. |
| 2 lb. | 6 19 0 " |
| 5 lb. | 6 18 0 " |
| 10 lb. | 6 17 0 " |
| 20 lb. | 6 16 0 " |

Flasks of 100 @ 26/- per doz; 200 @ 50/-; 1000 lots, 20/- each
Tablets of $\frac{1}{2}$ gr. 330 in 1 (average 7,000)
100/- per lb.; 2 lbs. @ 97/6; 5 lbs. @ 95/-

CASH WITH ORDER. REGISTERED POST PAID.
SAME DAY AS ORDER RECEIVED.

WALTON, Chemist, BATLEY, YORKS.

Cotton Wool

Compare quality, as well as price, before ordering.

WE can save you about 30%.

WHITE ABSORBENT COTTON WOOL (interleaved)
in 1 lb. rolls, at 2 2 per lb.

WHITE LINT, in 1 lb. rolls at 3 9 per lb.

BORACIC LINT, in 1 lb. rolls, at 2 8 per lb.

Packed in 1 cwt. Bales. Bales charged extra, 3/6 each.

Also packed in 56-lb. bales of each at 2 2 $\frac{1}{2}$, 3 9 $\frac{1}{2}$, 2 8 $\frac{1}{2}$ respectively.

28-lb. " 2/3, 3/10, 2/9 "

Carriage paid on 56 lb. Bales 2 6 & 1/6 each. Cheque with Order.

Bales must be paid for and allowed for when returned.

THE PRIMO DRUG CO., 5 Bury New Road, Manchester.

P.A.T.A. NOTICE.

113 Temple Chambers, E.C. 4.

The prices announced below will come in force as from the date of this issue:—

| Advert. Price. | | Minimum Retail Prices: | Minimum Wholesale Price. |
|---------------------------------------|--|--|--------------------------------|
| British Drug Houses' Goods— | | | |
| 2/3 | Dermogen Soap (Ord.) | 2/3, 3-tab. box | 21/6 |
| 3/3 | (If sold without boxes, 1d. a table. less, both wholesale and retail.) | 3/3 | 29/- |
| 1/- | { Dermogen Shaving Stick Dusting Powder } | 1/- | 8/6 |
| 1/9 | " " | 1/9 | 14/6 |
| 10d. | Browning's Deterzine | 10d. { 6/3 6/- by 6 doz. 15/9 " 12 " | |
| 1/6 | " " | 1/6 { 11/6 10/6 " 12 " | |
| 6" x 8" " Ronoleke" Hot Water Bottles | 6/4 | 4/3 | |
| 6" x 10" | " | 6/10 | 4/7 |
| 6" x 12" | " | 7/4 | 4/11 |
| 7" x 10" | " | 7/2 | 4/10 |
| 7" x 12" | " | 8/2 | 5/6 |
| 8" x 10" | " | 7/8 | 5/2 |
| 8" x 12" | " | 8/8 | 5/10 |
| 8" x 14" | " | 9/4 | 6/3 |
| 9" x 12" | " | 9/2 | 6/2 |
| 10" x 12" | " | 9/10 | 6/7 |
| 10" x 14" | " | 11/- | 7/5 |
| 10" x 16" | " | 11/10 | 7/11 |
| 12" x 16" | " | 12/11 | 8/8 |
| 2/3 Rendell's Pessaries | 2/3 { 19/6 19/- by 3 doz. 18/- " 6 " 17/- " 12 " | | |

Pharmaceutical Council Election (Ireland).

BALLYMENA,

September 20, 1918.

Dear Sir,
Having received a very cordial invitation from a number of members of our profession, I have accepted nomination for the Council, and if you consider me worthy of such an honour I respectfully solicit your vote and influence at the coming election.

If elected, it will be my aim to further to the best of my ability the betterment of Pharmacy, and to assist in pressing forward many reforms that are necessary for the good of the craft.

I appeal for support on the policy of the N.I.P. Association, as outlined in covering circular, and which I feel confident will have the support of every thoughtful Pharmacist.

I go forward hoping that both Members and Associates will honour me by recording one of their votes in my favour, and should they do so I can assure them it will be greatly appreciated by

Yours truly,

HUSTON LANCASHIRE.

Pharmaceutical Society of Ireland.

COUNCIL ELECTION.

Members of the Society should VOTE FOR

W. B. CONYNGHAM, Ph.C.

A man with new ideas, broad outlook, and a knowledge of modern business methods.

9 BELGRAVE ROAD,
MONKSTOWN, Co. DUBLIN

SUGARINE

The New Sweetening

Powder, without a rival for Cakes, Puddings, and all purposes where the Tablet Form is inconvenient.

9d. Pkts. - **6/9** per doz.
3 Doz. for - - - **£1**
1 Gross for - **£3 10s.**

Supplied in bulk at **7/6** per lb.
16 labels free with each pound.

WINDOW BILLS FREE
with each order.

Cash Terms. Carriage Paid.

WALTON, CHEMIST, BATLEY.

SACCHARIN TABLETS

½ gr. 330 in 1.

Neatest and Sweetest.

£6-18-0 per lb.

or

20/- per 1,000

Over 7,000 to the lb.

SPECIAL PRICES FOR LARGER QUANTITIES.

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RICHARD HOULT,
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The Holoyd Page

Selling

Tea Sweeteners?

And we think we hear you answer—
 Yes, in thousands—WHEN I can get them!
 We know that is the difficulty, and we do not pretend to
 be able to overcome it absolutely, BUT—
 Recent large additions in plant and labour do enable us to
 offer limited supplies outside those which we must reserve
 for our old customers.
 Therefore, it would be wise for you to write us.
 Our prices are—

HOLOYD TEA SWEETENERS—per 1,000, 16/6

 " " " per lb. (about 8,000) £6 3 0

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 " " " per lb. (about 7,000) £5 5 0

(4 gr. 330 in 1 gr.)

SUGAR SUBSTITUTE—per dozen packets, 5/9

 " " , gross " 66/-

 " " 5 gross, less 5%. 10 gross, less 10%.

Showcards and Window Slips free.

Terms: Net Cash with Order. Postage paid.

And, remember, we have been continuously manufacturing
 Sweeteners since the commencement of the boom—and
 experience counts.

*Don't forget to ask for the
 Holoyd Magazine.*

H. O. LLOYD

Manufacturing Chemist,
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NEW TOOTH PASTES

Showing more than Cent. per Cent. Profit.

THE DEMAND IS AMAZING, BUT WE ARE STILL ABLE TO GIVE IMMEDIATE DELIVERY FROM STOCK.

Chemist's own Name & Address cannot be printed on these four Tooth Pastes.

THE GET-UP IS SUPERB. THE TOOTH PASTES ARE ABOVE CRITICISM.

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PER
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CARRIAGE PAID
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WHOLESALE

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PER DOZ.
Net.
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SMALLER
QUANTITIES

7/- Per
Dozen

GLYNTOS DENTAL CREAM

The favourite, with a delightful Eau de Cologne flavour. The sales will soon be greater than any other proprietary Tooth Paste.

PERLYSIA TOOTH PASTE

Made from the popular American formula. Packed in superb embossed cartons.

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A delightful, refreshing Tooth Paste containing Menthol.

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An improved form of the popular Thymol Tooth Paste.

Send 2/6 for Sample Set, post free, of the 4 Varieties for your inspection and personal use.

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